

20020811.qrp v02_n644.qrl.20020811

Date: Sun, 11 Aug 2002 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2644

QRP-L Digest 2644

Topics covered in this issue include:

- 1) [132004] Re: How do I set up an inexpensive HF station?
by John Wagner <john@wagner-usa.net>
- 2) [132005] Re: How do I set up an inexpensive HF station?
by Hank Kohl K8DD <k8dd@arrl.net>
- 3) [132006] Re: How do I set up an inexpensive HF station?
by "ss lyon" <sslyon@megalink.net>
- 4) [132007] Re: SUNDAY'S ROCK NITE
by "ss lyon" <sslyon@megalink.net>
- 5) [132008] Re: OT - Quickcam software
by Chris Cartwright <ccart@phideaux.com>
- 6) [132009] Re: 'Mi-Te-Box update
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 7) [132010] Re: How do I set up an inexpensive HF station?
by "Dave Ek" <ekdave@earthlink.net>
- 8) [132011] Spartan Sprints
by "Jeff Davis" <ke9v@att.net>
- 9) [132012] Re: How do I set up an inexpensive HF station?
by "Mike Yetsko" <myetsko@insydesw.com>
- 10) [132013] Re: QRP-L digest 2643
by The Wheelers <rains@digisys.net>
- 11) [132014] Re: How do I set up an inexpensive HF station?
by "Dave Ek" <ekdave@earthlink.net>
- 12) [132015] Re: How do I set up an inexpensive HF station?
by "James McKinley" <flyable@starpower.net>
- 13) [132016] Re: How do I set up an inexpensive HF station?
by Dave Hottell <hottell@gulftel.com>
- 14) [132017] Rock Mite Stats and Observations
by Lew Paceley <lew@paceley.com>
- 15) [132018] RE: It's Crystal Clear (first filter) (1,464 words)
by Nick Kennedy <nkennedy@tcainternet.com>
- 16) [132019] Re: QRP-L digest 2643
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 17) [132020] Re: SUNDAY'S ROCK NITE
by "Rod N0RC" <rod@n0rc.us>
- 18) [132021] Re: How do I set up an inexpensive HF station?
by Dave Redfearn <n4elm@attbi.com>
- 19) [132022] 0113Z - AA1MY Rock-Mite

by David Gauding <david.gauding@bbs.galilei.com>
20) [132023] Re: How do I set up an inexpensive HF station?
by Dave Hottell <hottell@gulftel.com>
21) [132024] Re: Rock Mite Redux
by Garie Halstead <k8kfj@ntelos.net>
22) [132025] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
23) [132026] Re: 0140Z - AA1MY Rock-Mite
by Chris Cartwright <ccart@phideaux.com>
24) [132027] Re: 0140Z - AA1MY Rock-Mite
by "Rod N0RC" <rod@n0rc.us>
25) [132028] Re: Rock Mite Stats and Observations
by "Dave Benson" <nn1g@earthlink.net>
26) [132029] Re: 0140Z - AA1MY Rock-Mite
by "Mike WA8BXN" <hubby2k@hotmail.com>
27) [132030] Solder-It or Miracle Weld
by "Dave Benham" <dodgeboy@mindspring.com>
28) [132031] Re: Dipole >?<
by "George, W5YR" <w5yr@att.net>
29) [132032] How do I set up an inexpensive HF station?
by N0BN@aol.com
30) [132033] Re: SUNDAY'S ROCK NITE
by "Karl F. Larsen" <k5di@zianet.com>
31) [132034] Re: Rock Mite Stats and Observations
by Lew Paceley <lew@paceley.com>
32) [132035] Re: Solder-It or Miracle Weld
by MIKE SOUHRADA <wb9iog@revealed.net>
33) [132036] Re: How do I set up an inexpensive HF station?
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
34) [132037] Jackson Hamfest
by David J Adams <david@theadamsclan.com>
35) [132038] Re: SUNDAY'S ROCK NITE
by "ss lyon" <sslyon@megalink.net>
36) [132039] Re: SUNDAY'S ROCK NITE
by Fred Lesnick <flesnick@tbaytel.net>
37) [132040] PSK Freqs?
by "M.M." <markem@cox.net>
38) [132041] 'Mi-Te-Box request for D. Hauff
by "Max Moon" <maxmoon@umn.edu>
39) [132042] Re: PSK Freqs?
by "DTX" <dtx@wood.tzo.com>
40) [132043] Adding a Dan's RIT to SW30+
by "Max Moon" <maxmoon@umn.edu>
41) [132044] [131963] It's Crystal Clear (first filter)
by William Carver <bcarver@safelink.net>
42) [132045] Re: Adding a Dan's RIT to SW30+
by "Dennis Ponsness" <wb0wao@hotmail.com>
43) [132046] What's up with the repeats???

by "Trevor Jacobs" <kg6cyn@earthlink.net>
44) [132047] Rock and rollen Mite be done
by "Jerry Ford" <benlightnd13@mchsi.com>
45) [132048] RE: It's Crystal Clear (first filter) (1,464 words)
by "Leon Heller" <leon_heller@hotmail.com>
46) [132049] RE: QRP - GPS redux
by Tim and Michele Groat <tmgroat@peakpeak.com>
47) [132050] Re: It's Crystal Clear (first filter) (1,464 words)
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
48) [132051] Re: QRP - GPS redux
by "Mike Yetsko" <myetsko@insydesw.com>
49) [132052] Re: Adding a Dan's RIT to SW30+
by "Karl F. Larsen" <k5di@zianet.com>
50) [132053] FS: HP 3585A Spectrum Analyzer
by "w8diz" <w8diz@fpqrp.com>
51) [132054] Re: What's up with the repeats???
by "John J. McDonough" <wb8rcr@arrl.net>
52) [132055] Re: Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>
53) [132056] rel. 3.00...a peek (poke?) at the future of DSWTUN95...
by "Bill, N4QA" <n4qa@hotmail.com>
54) [132057] WTB: curtis 8044ABM chip
by Ken Hopper - NSIT <khopper@uchicago.edu>
55) [132058] RE: ROCK MITE - AA1MY Report
by "Hubert Smits" <hubert.smits@btinternet.com>
56) [132059] Re: ROCK MITE - AA1MY Report
by "Rod N0RC" <rod@n0rc.us>
57) [132060] Re: Dipole >?<
by Bruce Muscolino <w6toy@erols.com>
58) [132061] Re: QRP - GPS redux
by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
59) [132062] Re: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>
60) [132063] Wobble198@aol.com: (no subject)
by Rick McKee <kc8aon@juno.com>
61) [132064] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
62) [132065] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
63) [132066] Re: QRP - GPS redux
by David Hinerman <WD8CIV@worldnet.att.net>
64) [132067] Re: Dipole >?<
by Bruce Muscolino <w6toy@erols.com>
65) [132068] Re: Dipole >?<
by Bruce Muscolino <w6toy@erols.com>
66) [132069] Re: QRP - GPS redux
by "Rod N0RC" <rod@n0rc.us>
67) [132070] A pontoon vertical

by "Gary & Jean Hanson" <hansongr@uts.cc.utexas.edu>

68) [132071] Re: Dipole >?<
by W2AGN <w2agn@w2agn.net>

69) [132072] Re: QRP - GPS redux
by "John J. McDonough" <wb8rcr@arrl.net>

70) [132073] Re: QRP - GPS redux
by Dave Fouchey <dafouchey@comcast.net>

71) [132074] Re: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>

72) [132075] Re: QRP - GPS redux
by Bruce Grubbs <mail@brucegrubbs.com>

73) [132076] Re: QRP - GPS redux
by "Rod N0RC" <rod@n0rc.us>

74) [132077] Re: QRP - GPS redux
by "Rod N0RC" <rod@n0rc.us>

75) [132078] Re: Dipole >?<
by "George, W5YR" <w5yr@att.net>

76) [132079] Re: QRP - GPS redux
by Dave Fouchey <dafouchey@comcast.net>

77) [132080] FOXX-3
by "Jason Hissong" <jhisson1@columbus.rr.com>

78) [132081] Rock Mite
by "Jason Hissong" <jhisson1@columbus.rr.com>

79) [132082] Milliwatt Hints WAS , WAC and DXCC
by "George Osier" <gosier@twcnny.rr.com>

80) [132083] RE: Appalachian Trail Activation Sunday Morning, Aug. 11
by "David Bixler" <qrp@netins.net>

81) [132084] RE: Dipole >?<
by Nick Kennedy <nkennedy@tcainet.net>

82) [132085] Re: Rock Mite
by "Brice D. Hornback" <bdh@cyberbound.net>

83) [132086] Re: QRP - GPS redux
by "John J. McDonough" <wb8rcr@arrl.net>

84) [132087] RE: Appalachian Trail Activation Sunday Morning, Aug. 11
by Jeff Davis <ke9v@att.net>

85) [132088] Very Good Main Antenna
by "Karl F. Larsen" <k5di@zianet.com>

86) [132089] Plug for WB3EVL Key Covers
by Monty N5FC <n5fc@io.com>

87) [132090] Re: QRP - GPS redux
by "Mike Yettsko" <myetsko@insydesw.com>

88) [132091] OT Telephone Modems
by "Karl F. Larsen" <k5di@zianet.com>

89) [132092] Pretty harsh words-(was Re: Dipole >?<)
by "Dean LaClair - Adk-Com" <nr2v@northnet.org>

90) [132093] Re: Very Good Main Antenna: 88' doublet
by "ss lyon" <sslyon@megalink.net>

91) [132094] Re: Rock Mite

- by "Rod N0RC" <rod@n0rc.us>
- 92) [132095] Re: Very Good Main Antenna
by W2AGN <w2agn@w2agn.net>
- 93) [132096] Re: Very Good Main Antenna
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
- 94) [132097] Re: OT Telephone Modems
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 95) [132098] CW on the Palm PDA
by Goran Hosinsky <hosinsky@jet.es>
- 96) [132099] Re: What's up with the repeats???
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 97) [132100] Re: What's up with the repeats???
by Bob Welch <p326@earthlink.net>
- 98) [132101] QRP Afield
by W2AGN <w2agn@w2agn.net>
- 99) [132102] ROCK MITE - more UK or European builders?
by "Hubert Smits" <hubert.smits@btinternet.com>
- 100) [132103] Re: Very Good Main Antenna
by Chris Cartwright <ccart@phideaux.com>
- 101) [132104] Re: Very Good Main Antenna
by "Mike Yetsko" <myetsko@insydesw.com>
- 102) [132105] Re: OT Telephone Modems
by "Karl F. Larsen" <k5di@zianet.com>
- 103) [132106] Re: Very Good Main Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 104) [132107] Re: Very Good Main Antenna: 88' doublet
by "Karl F. Larsen" <k5di@zianet.com>
- 105) [132108] Re: How do I set up an inexpensive HF station
by "James R. Duffey" <jamesd1@flash.net>
- 106) [132109] Smith Chart for Dummy's
by "Karl F. Larsen" <k5di@zianet.com>
- 107) [132110] Re: Adding a Dan's RIT to SW30+
by "Max Moon" <maxmoon@umn.edu>
- 108) [132111] Re: QRP - GPS redux
by "James R. Duffey" <jamesd1@flash.net>
- 109) [132112] Stuff from the Mil tech manual for the HP 141T
by Pete Burbank <plburbank@kih.net>
- 110) [132113] FS power supply
by <n2go@arrl.net>
- 111) [132114] Re: Plug for WB3EVL Key Covers
by "Thomas" <ac7a@gci-net.com>
- 112) [132115] Re: Very Good Main Antenna
by Fred Bonavita <k5qlf@yahoo.com>
- 113) [132116] Re: QRP - GPS redux
by Dave Fouchey <dafouchey@comcast.net>
- 114) [132117] Re: FS power supply
by <n2go@arrl.net>
- 115) [132118] Re: Very Good Main Antenna

by "James R. Duffey" <jamesd1@flash.net>
116) [132119] Re: Wobble198@aol.com: (no subject)
by Rick McKee <kc8aon@juno.com>

Date: Sat, 10 Aug 2002 19:29:57 -0400
From: John Wagner <john@wagner-usa.net>
To: <pbonucci@slonet.org>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132004] Re: How do I set up an inexpensive HF station?
Message-ID: <B97B1A32.3FE9%john@wagner-usa.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Peter,

I would NOT recommend a QRP kit for an introduction to ham radio. I would go with a used 100w radio, not a kit. My first rig (RIP, it was zapped by lightning) was an Icom 701. I picked it up, along with the matching power supply for \$220. \$20 for a straight key another \$20 for the parts to a single band dipole and you're on the air. There are many fine older rigs like the IC-701 and probably in the same price range. I'm sure others here can comment on them. When you buy an older rig, it's always good to have an experienced ham check it out first. That said, I bought mine over the internet from a guy in CA and it was in top-notch shape, just like he said.

If you want to add a little more money, an MFJ tuner can be had anywhere from \$50 - \$100 used, feed your dipole with ladder line and use the tuner to get on multiple bands (this isn't ideal, but it works well enough that you'll be pleased with the results).

If you and your son stay interested, upgrade to General class ASAP and get more HF privileges. You'll find the Novice/Tech+ CW section of 40 meters to be a wasteland of broadcast stations. That said, I spent quite a bit of time there myself when I held a Tech+ ticket - it's where I made my first QSO.

I realize this is the QRP-L, and you're asking about QRP, but my advice is to go QRO for your first radio - you can always turn down the power. After you successfully get on the air, then build a kit. There is no better introduction to HF transceiver building than the SW series from <http://www.smallwonderlabs.com/> - good quality, great instructions, and just about every QRP'er has built one (OK, maybe not, but a lot of us have).

Good luck, looking forward to hearing you and your son on the air.

73,

John, N1Q0

--

John Wagner - john@wagner-usa.net - john@neknetwork.com
<http://www.neknetwork.com/>

> From: "Peter A. Bonucci" <pbonucci@slonet.org>
> Reply-To: pbonucci@slonet.org
> Date: Sat, 10 Aug 2002 14:28:33 -0700
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: How do I set up an inexpensive HF station?
>
> My son (9 years old) and I are working on getting our technician with
> code licenses and I would like to set up a HF station.
>
> Because I don't know how long he will stay interested, I would like to
> keep this to less than US\$250. I thought that the "doing more with
> less" people could help me out on this. I am concerned that mW power
> levels would be too frustrating and would like keep it near or above 5
> W. Kits would be acceptable, if it keeps the price down.
>
> I think that he would be thrilled to make international contacts and I
> would accept a single-band installation, if he could get a taste of DX.
> As an ex-SWL, I find the concept of a receiver that has a range of 50
> kHz disturbing but, if this is a viable introduction to ham radio for my
> son, I will accept it.
>
> So, what all do I need to give my son a taste of what HF is like without
> spending a lot of money?
>
> Peter A. Bonucci
>
>
>

Date: Sat, 10 Aug 2002 19:31:13 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: pbonucci@slonet.org,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132005] Re: How do I set up an inexpensive HF station?
Message-ID: <5.1.0.14.2.20020810192204.03432e00@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 8/10/02 02:28 PM -0700, Peter A. Bonucci wrote:

>My son (9 years old) and I are working on getting our technician with code
>licenses and I would like to set up a HF station.

>

>Because I don't know how long he will stay interested, I would like to
>keep this to less than US\$250. I thought that the "doing more with less"
>people could help me out on this. I am concerned that mW power levels
>would be too frustrating and would like keep it near or above 5 W. Kits
>would be acceptable, if it keeps the price down.

With a CW technician you can operate ten meters.

Option A: Find a local club and see if anyone has an older "dust collector" that they might either sell you reasonably, or let you use for a couple months - something like a Kenwood TS520 or 820 or even an 830, Icom IC 740 or 745, something in that class. That way you might get an all band radio and be able to listen to the DX on other bands and work some on 10M SSB or CW.

Option B: Look around for a Radio Shack 10M transceiver and a power supply. They are only one band and don't think they work on CW.

You can turn the power down on most any radio and you can, with decent propagation, work all over the world. For an antenna you can use an old CB vertical or make a 10M dipole and hang it in the back yard.

Either way could be real low cost and you would get to see if you want to continue in Ham Radio - can't for the life of me see why you wouldn't :-) !

73 and good luck

Hank K8DD

Oh, yeah, and join the ARRL (www.arrl.org) for a year - there will be some good articles for beginners in the magazine. And QRP-ARCI (www.qrparci.org) too!

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

If God intended you to be on single sideband, he would have given you only one nostril.

- Steve, K2PTS

Date: Sat, 10 Aug 2002 19:39:52 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <pbonucci@slonet.org>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132006] Re: How do I set up an inexpensive HF station?
Message-ID: <013c01c240c7\$39e0d260\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Peter, depending on where you're located, you may find one of us nearby who would be happy to intro you and your son to some of the gear we're running. Just let us know.

73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Peter A. Bonucci" <pbonucci@slonet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, August 10, 2002 5:28 PM
Subject: How do I set up an inexpensive HF station?

> My son (9 years old) and I are working on getting our technician with
> code licenses and I would like to set up a HF station.
>
> Because I don't know how long he will stay interested, I would like to
> keep this to less than US\$250. I thought that the "doing more with
> less" people could help me out on this. I am concerned that mW power
> levels would be too frustrating and would like keep it near or above 5
> W. Kits would be acceptable, if it keeps the price down.
>
> I think that he would be thrilled to make international contacts and I
> would accept a single-band installation, if he could get a taste of DX.
> As an ex-SWL, I find the concept of a receiver that has a range of 50
> kHz disturbing but, if this is a viable introduction to ham radio for my
> son, I will accept it.
>
> So, what all do I need to give my son a taste of what HF is like without
> spending a lot of money?
>

> Peter A. Bonucci
>
>

Date: Sat, 10 Aug 2002 19:44:27 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <qrp-l@lehigh.edu>, "Steven Weber" <kd1jv@moose.ncia.net>
Cc: <rod@n0rc.us>
Subject: [132007] Re: SUNDAY'S ROCK NITE
Message-ID: <015101c240c7\$dd68d5e0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK by me... I'll start calling CQ RM at 9:00pm Eastern. That should be good for
the rest of the continent as we roll with ol' Sol.
Sound ok to y'all?

72

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
N 44.3890 - W 70.8450
FN44nj aa1my@arrl.net

Date: Sat, 10 Aug 2002 19:49:05 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132008] Re: OT - Quickcam software
Message-ID: <Pine.LNX.4.33.0208101942340.10965-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 10 Aug 2002, Chris Cartwright wrote:

> Quickcam, and Quickcam VC color software. It's a long shot, but does

Guess it wasn't a long of a shot as I thought :) 20 minutes later, I
have it in my inbox. This group never ceases to amaze me. Thanks to all!

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --

-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sat, 10 Aug 2002 19:43:39 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: bowerm@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132009] Re: 'Mi-Te-Box update
Message-ID: <20020810194259.J23388-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 10 Aug 2002 bowerm@ix.netcom.com wrote:

> maybe we should have a pole.

Hmmm, over 2 months late for a May Pole.

thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and Drake Mail List Pages

Date: Sat, 10 Aug 2002 18:06:45 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Cc: <pbonucci@slonet.org>, <k5di@zianet.com>
Subject: [132010] Re: How do I set up an inexpensive HF station?
Message-ID: <001601c240ca\$fb7b52d0\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Karl wrote:

>Hi Peter, I am a VE and you both should study just a bit longer and get
>the General Class license. It is good for 10 years. If you don't get it
>the code test CSCE is only good for 1 year and expires and can't be

>renewed without another code test.

Karl, I don't think this is true. Passing the code test along with the tech test entitles you to the same privileges as the old tech plus license, even though the FCC no longer tracks that info (tech plus vs. tech). (I'm also a VE.)

Just wanted to set the record straight.

73 de Dave NK0E

Date: Sat, 10 Aug 2002 19:07:14 -0500
From: "Jeff Davis" <ke9v@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132011] Spartan Sprints
Message-ID: <004301c240cb\$0d26a390\$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I was just reviewing my log for the latest Spartan Sprint and couldn't help but smile while looking over the contacts. Many friends that I have met and a few that I haven't show up in the log with each passing sprint.

Just wanted to say how much I enjoy these events and I imagine that most of you do too.

If you haven't joined the fun recently, or at all, I'd encourage you to jump into the fray. These are friendly sprints that will test your mettle without all the fuss of a major contest event. Find out more about them here
(http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html).

I've been hanging around QRP-L since 1996 and these last five or six years have been the most enjoyable of my 25 years in the hobby. It seems like there is always something here to learn, to marvel about, or to chuckle at. We have a pretty good little "family" here, and I'd just like to say 'thanks' to you all for making the sum total much more valuable than the individual parts.

--

Vy 72 de Jeff, KE9V
<http://www.qsl.net/ke9v/>

Date: Sat, 10 Aug 2002 20:18:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ekdave@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132012] Re: How do I set up an inexpensive HF station?
Message-ID: <006301c240cc\$a4684c80\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

From: "Dave Ek" <ekdave@earthlink.net>

> Karl wrote:
>
> >Hi Peter, I am a VE and you both should study just a bit longer and get
> >the General Class license. It is good for 10 years. If you don't get it
> >the code test CSCE is only good for 1 year and expires and can't be
> >renewed without another code test.
>
> Karl, I don't think this is true. Passing the code test along with the
tech
> test entitles you to the same privileges as the old tech plus license,
even
> though the FCC no longer tracks that info (tech plus vs. tech). (I'm
also a
> VE.)
>
> 73 de Dave NK0E

You're both saying the same things, but giving different impressions.

Yes, there's the tech license.

And yes, you can pass the code test and have the same privileges as the
old tech + license. Which gives you access to 10M voice, as well as
CW on a number of HF bands.

The PRIVILEGES don't expire in one year, but the CSCE for upgrading
to a general class does. (Go figure!)

Mike

Date: Sun, 11 Aug 2002 00:32:34 +0100
From: The Wheelers <rains@digisys.net>
To: qrp-l@lehigh.edu
Subject: [132013] Re: QRP-L digest 2643
Message-ID: <3D55A292.3020103@digisys.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

For some reason for the last three days I am getting two copies of all the digests. I admit that the postings are good, but this sure uses lots of extra bandwidth.

Vern, N7SPK

qrp-l@Lehigh.EDU wrote:

> QRP-L Digest 2643
>

Date: Sat, 10 Aug 2002 18:31:59 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Mike Yetsko" <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132014] Re: How do I set up an inexpensive HF station?
Message-ID: <001b01c240ce\$8179f7d0\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for clarifying, Mike. My bad.

73 de Dave NK0E

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <ekdave@earthlink.net>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Sent: Saturday, August 10, 2002 6:18 PM
Subject: Re: How do I set up an inexpensive HF station?

> From: "Dave Ek" <ekdave@earthlink.net>
>
> > Karl wrote:
> >
> > >Hi Peter, I am a VE and you both should study just a bit longer and get
> > >the General Class license. It is good for 10 years. If you don't get it
> > >the code test CSCE is only good for 1 year and expires and can't be
> > >renewed without another code test.
> >
> > Karl, I don't think this is true. Passing the code test along with the
> tech
> > test entitles you to the same privileges as the old tech plus license,
> even
> > though the FCC no longer tracks that info (tech plus vs. tech). (I'm
> also a
> > VE.)
> >
> > 73 de Dave NK0E
>
> You're both saying the same things, but giving different impressions.
>
> Yes, there's the tech license.
>
> And yes, you can pass the code test and have the same privileges as the
> old tech + license. Which gives you access to 10M voice, as well as
> CW on a number of HF bands.
>
> The PRIVILEGES don't expire in one year, but the CSCE for upgrading
> to a general class does. (Go figure!)

>
> Mike
>
>
>
>

Date: Sat, 10 Aug 2002 20:37:20 -0400
From: "James McKinley" <flyable@starpower.net>
To: <ekdave@earthlink.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132015] Re: How do I set up an inexpensive HF station?
Message-ID: <007c01c240cf\$42186c60\$d12b2c42@newuser>

That is correct. Also, please don't lose your CSCE as IT is
your ONLY proof that you passed that code test.

73, Jim WD40JY

----- Original Message -----

From: Dave Ek <ekdave@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, August 10, 2002 8:06 PM
Subject: Re: How do I set up an inexpensive HF station?

> Karl wrote:
>
> >Hi Peter, I am a VE and you both should study just a bit longer and get
> >the General Class license. It is good for 10 years. If you don't get it
> >the code test CSCE is only good for 1 year and expires and can't be
> >renewed without another code test.
>
> Karl, I don't think this is true. Passing the code test along with the
tech
> test entitles you to the same privileges as the old tech plus license,
even
> though the FCC no longer tracks that info (tech plus vs. tech). (I'm also
a
> VE.)
>
> Just wanted to set the record straight.
>
> 73 de Dave NK0E
>
>
>

Date: Sat, 10 Aug 2002 19:43:02 -0500
From: Dave Hottell <hottell@gulftel.com>
To: k8dd@arrl.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132016] Re: How do I set up an inexpensive HF station?
Message-ID: <3.0.6.32.20020810194302.00dbe6e0@pop.gulftel.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hank,

<snip>

>

>With a CW technician you can operate ten meters.

>

I don't think this is correct. I have appended below part of a statement issued by the ARRL on their proposal to the FCC. Looks to me like a Tech w/code has General class CW privileges on 80, 40, 15 and 10.

=====
The ARRL's petition, filed in March, asks the FCC to revise its Amateur Service rules in accordance with a modified Novice band "refarming" scheme the ARRL Board of Directors adopted in January. The ARRL says that eliminating the Novice and Technician-Plus CW bands and reapportioning these "inefficiently deployed segments" would help to alleviate overcrowding elsewhere.

If the FCC goes along with the League's proposal, current Novice and Technician Plus (ie, Technician with Element 1 credit) licensees would be permitted to operate on the 80, 40, 15 and 10-meter General-class CW allocations at up to 200-W output. For General and higher class operators, the ARRL wants the FCC to implement changes in the 80, 40 and 15-meter "phone" bands.

=====

<snip>

73,
Dave
AB9CA/4

Date: Sat, 10 Aug 2002 19:55:24 -0500
From: Lew Pacey <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: n0rc@arrl.net, lew@paceley.com, netxqrp <netxqrp@mailman.qth.net>

Subject: [132017] Rock Mite Stats and Observations
Message-ID: <000f01c240d1\$c70c2680\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Folks,

Mr. Rock Mite is completed and on the bench. What a fun little rig this is going to be! Dave Benson is definitely "da Man".

Since Rod, N0RC, has been kind enough to set up a Rock Mite site I thought it might be beneficial to start sharing some operating stats on our various Mites.

TRANSMIT FREQUENCY

7039 Low
7039.9 High

Note that the rig doesn't remember your last frequency when you power off. Mine powers up with 7039 as the initial frequency.

I noticed that the direct conversion receiver VBF0 can be heard on a second receiver (Icom 751A). The VBF0 will operate at a frequency offset from your xmit frequency corresponding to each operating frequency selected. On my rig I measured the following:

Operating Freq.	VBF0 Freq.
7039.0	7039.6
7039.9	7039.0

This implies that identical xmit frequency stations will generate either a 600 Hz or 900 Hz tone in my headphones depending on which frequency I have selected. In practice it probably won't matter much cause I'll call 'em anyway and either they'll hear me or not!

POWER

I measured the following using my homebrew W7ZOI QRP power meter (QST, the Micromountaineer article sometime in late 2000?):

12.5 Volt 7 AH Battery	~480 mW into 50 ohms
13.8 Volt Astron PS	~580 mW into 50 ohms

Note that the 2N2222A gets very hot at 13.8V and I strongly recommend a heatsink as well as limiting key down time to a few seconds at a time.

CURRENT CONSUMPTION

I only measured current consumption on the 7 AH 12 volt battery. With the battery Vcc at 12.5 Volts I measured the following on my Fluke 8050A multimeter:

Receive:

~40 mA no signal. The receive current increases slightly when I switch to the alternate frequency. The alternate frequency receive current is 41.5 mA.

Transmit:

~218 mA into a 50 ohm dummy load. This corresponds to about 480 mW of output power.

TUNE MODE

If you need to generate a steady carrier for an antenna tuner you'll need to power up in straight key mode (see the instructions) and use one side of your paddles to key the carrier needed for your tuner. Reapply power without depressing your paddles to go back to keyer mode.

SIDETONE

I found the sidetone loud but tolerable in my Sony MDR V6 headphones. My RM receiver is quiet. The absence of background noise tends to make the sidetone seem louder than it really is.

In my headphones I did not find the sidetone note "rough" except at initial key down where there's some small switching noise.

I would describe the keying as semi break-in as I cannot hear signals between characters at about 20 WPM or so.

That's all for now...cu on 7040 or thereabouts.

72/73,
Lew
N5ZE

Date: Sat, 10 Aug 2002 19:58:30 -0500

From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'DDORN@cwis.net'" <DDORN@cwis.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132018] RE: It's Crystal Clear (first filter) (1,464 words)
Message-ID: <01C240A8.4D08C920.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks Don. That article (Designing and Building Simple Crystal Filters) initially left me scratching my head, but I'm giving it another look. I had asked a couple of guys what the process is for Cohn filters, and did Google searches on the term but came up dry.

Here's how the article describes the process: 1) Get some matched (in frequency) crystals. 2) Select a value of C. Larger for narrower bandwidth and smaller for wider bandwidth. 3) Vary the end termination [resistance] to obtain a shape that is free of passband ripple while providing sufficient stopband attenuation. BTW--the filter has crystals in series and identical capacitors, one in series with each end and one from each junction of two crystals to ground.

So, #1 sounded pretty easy and #2 is easy except for deciding what C to choose. There is a table of suggested choices for the three-crystal filter and various bandwidths. But I'm not sure if it's intended just for the 3.579 MHz crystals or for any crystal(?)

Now, #3 sounds like the hard part--especially if you do it with test equipment. Reworking the matching at the ends and checking the response curve multiple times seems like it could get tedious.

But I guess if you characterize the crystals using the K8IQY or similar method, then select your Cohn capacitors and model it on a PC program, you could vary that end termination with keystrokes until you got a nice looking curve. The best of both worlds!

I especially like the part about having all the Cs the same. What ham junkbox doesn't have a cupfull of one value and zero of the next standard value over?

BTW--Hayward's program "X.EXE" from IRFD does include Cohn filter design as one option, but I haven't played with it much yet.

72--Nick, WA5BDU

... and may the cosmic energy within these magic crystals be with you.

-----Original Message-----

From: Donald Dorn [SMTP:DDORN@cwis.net]
Sent: Saturday, August 10, 2002 3:14 PM
To: Low Power Amateur Radio Discussion
Subject: Re: It's Crystal Clear (first filter) (1,464 words)

Hey Nick, try the Cohn filter, as described in the W1FB Design Notebook. . No calculations needed, no measurements needed, except for matching the xtals in freq. And, all the caps will be the same value. During the past few years I have made ten or twelve of them for cw that turned out well. I also made a ssb filter using cheap microprocessor xtals. Using 47 Pf silver micas it has a very nice bandpass curve, 2000 Hz at the -3dB points..I guess we could say that the Cohn is the lazy man's filter. That's why I like it.

73,
Don K5AAR

Date: Sat, 10 Aug 2002 20:46:15 -0400
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [132019] Re: QRP-L digest 2643
Message-ID: <000401c240d0\$8fedd960\$13e5fea9@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Peter,

You could get an old Kenwood TS-520SE rig for about that or a few more bucks I'd bet. It requires tune up to transmit but it's not difficult. A dummy load in the MFJ-949E would do it for example. It would be a good idea for someone to align the rig as well.

This rig puts out 100 watts easily and is a very good rig. I own one and absolutely love it. my favorite. It will go down to a watt as well. This rig does not cover the WARC bands (12, 17 and 30 Meters) as it was manufactured before 1979. The audio is superb too.

My thinking is that a good older HF rig is a whole lot cheaper then a new HF rig. There are many newer rigs that blow this rig away in features but they come at a price. Making initial contacts at higher power is a good idea too. It will surely make you both more comfortable and you'll have a lot more early success.

GL

72 Kevin N2T0
Brooklyn, NYC
kfglynn@mindspring.com
QRP-L #323

Date: Sat, 10 Aug 2002 19:06:19 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <qrp-1@lehigh.edu>, "Steven Weber" <kd1jv@moose.ncia.net>
Cc: <sslyon@megalink.net>
Subject: [132020] Re: SUNDAY'S ROCK NITE
Message-ID: <00a301c240d3\$4dd07760\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve, Seab, Rock-Miters everywhere,

Yes we are crazy. Why else do we do this!!! ;-)

I'm thinkin' before we get caught up in too much organization, let's just try the "Rock-Mite Battle Royal" one time. Just for the fun of it.

But I do like your idea Steve, for when more and more Rock-Mites fill the airwaves.

Maybe a little low power mayhem around around 7040 will drive away the SSB & Digi stations. ;-)

73, Rod N0RC

----- Original Message -----
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: <qrp-1@lehigh.edu>
Cc: <rod@n0rc.us>; <sslyon@megalink.net>
Sent: Saturday, August 10, 2002 4:21 PM
Subject: SUNDAY'S ROCK NITE

> I've been thinking again..

>

> If we all get on Sunday night at 10 pm local with our R/M's,
SMK-1's, TT-2

> or whatever, and start calling CQ, since we're all mostly on the same

> frequency, mayham could result ! (okay, that's optimistic, but it
could
> happen :-)
>
> So, maybe we could work this sorta like a FOX hunt. Have one station
in
> each time zone designated as the "Master Rock" After an hour, he would
turn
> it over to a "MR" in the next time zone. MR stations would call "CQ
RN"
> exchange RST, SPC, name, type of rig (RM, SMK, TT2 or HBX) and power.
You
> don't have to be in the same TZ as the MR to work 'em.
>
> I nominate Seab, AA1MY to be the first Eastern time zone "Master Rock"
and
> Ron, NØRC to be the Mountian time zone "Master Rock" - if that's okay
with
> you guys :-) Any volunteers for Central and Pacific?
>
> Geez, are we nuts or what? Is this getting too carried away and we
should
> just try the free for all and see how it goes?
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>
>

Date: Sat, 10 Aug 2002 19:50:06 -0500
From: Dave Redfearn <n4elm@attbi.com>
To: hottell@gulftel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132021] Re: How do I set up an inexpensive HF station?
Message-ID: <3D55B4BE.86A2786B@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Hottell wrote:

>
> Hank,
>
> <snip>
>
> >
> >With a CW technician you can operate ten meters.
> >
>
> I don't think this is correct. I have appended below part of a statement
> issued by the ARRL on their proposal to the FCC. Looks to me like a Tech
> w/code has General class CW privileges on 80, 40, 15 and 10.
>
> 73,
> Dave
> AB9CA/4

Unfortunately, this is also incorrect.

The ARRL has petitioned the FCC to change the Tech w/Code privileges to share within the General Class CW privileges. However, as of now the FCC has NOT acted on this petition. (Hopefully, the FCC will not approve this but that is another discussion).

Currently (below 30 Mhz), Novice and Tech +CW licensees have CW privileges in small band segments on 80, 40, 15, and 10 Meters along with USB voice on a band segment of 10 Meters (Summary).

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Sat, 10 Aug 2002 20:08:52 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [132022] 0113Z - AA1MY Rock-Mite
Message-ID: <5.1.1.6.0.20020810200504.00a16430@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Seab calling CQ at 0113Z on 7.039/40.

579 into M0 on Argo 509 and SLX portable vertical at 0058Z - 589 to me.

Really nice signal and should be easy to work tonight. 40M not too busy either.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Sat, 10 Aug 2002 20:22:23 -0500
From: Dave Hottell <hottell@gulftel.com>
To: n4elm@attbi.com,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132023] Re: How do I set up an inexpensive HF station?
Message-ID: <3.0.6.32.20020810202223.00dc4400@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dave,

Yes, you are correct. Allow me to change one word:

Looks to me like a Tech w/code will have General class CW privileges on 80, 40, 15 and 10. (after re-farming!)

Sorry 'bout that!

Since Peter is just now setting up his station, doesn't make sense to me to set it up for the Novice sub-bands. Those are good as gone.

73,
Dave
AB9CA/4

At 07:50 PM 8/10/02 -0500, Dave Redfearn wrote:

>

>

>Dave Hottell wrote:

>>

>> Hank,

>>

>> <snip>

>>
>> >
>> >With a CW technician you can operate ten meters.
>> >
>>
>> I don't think this is correct. I have appended below part of a statement
>> issued by the ARRL on their proposal to the FCC. Looks to me like a Tech
>> w/code has General class CW privileges on 80, 40, 15 and 10.
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>> 73,
>> Dave
>> AB9CA/4
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>Unfortunately, this is also incorrect.
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>The ARRL has petitioned the FCC to change the Tech w/Code privileges to
>share within the General Class CW privileges.
>However, as of now the FCC has NOT acted on this petition. (Hopefully,
>the FCC will not approve this but that is another discussion).
>
>Currently (below 30 Mhz), Novice and Tech +CW licensees have CW
>privileges in small band segments on 80, 40, 15, and 10 Meters along
>with USB voice on a band segment of 10 Meters (Summary).
>
>
>73 - Dave
>=====

>Dave Redfearn, ARS N4ELM, McKinney, TX
>Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
>QRL? de N4ELM/qrp
>

Date: Sun, 11 Aug 2002 01:17:07 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132024] Re: Rock Mite Redux
Message-ID: <3D5574C3.B67AFFF3@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang...

Just heard AA1MY calling CQ and we hooked up at 0104z. He was 339
here (still very heavy WAE Contest QRO QRM). I received a 549 from
Seab but contest night #2 again took it's toll.

ROCK ON MITES....

72 //Gary -K8KFJ-
West Virginia

Date: Sat, 10 Aug 2002 21:24:07 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [132025] Re: Dipole >?<
Message-ID: <20020810.212632.16446.0.kc8aon@juno.com>

Who's talking about an optimized antenna ? All I've heard is 88' center fed doublets and 44 end fed wires and so forth, which are non resonant in any ham band ! Hardly what I'd call optimized, but I would call it "MAKE DO" at best. If you're gonna optimize your antenna, build a true 1/2 wave resonant dipole and get it up 1/4 to 1/2 wave in the air, If you can't do that, then put up what you can and be happy with whatever contacts you can make !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

. Why take a
>QRP
>signal and make it a QRPppp signal because you have not optimized your
>antenna?
>
>Sure it works, but how many contacts do you miss!
>
>73

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 10 Aug 2002 21:40:28 -0400 (EDT)

From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [132026] Re: 0140Z - AA1MY Rock-Mite
Message-ID: <Pine.LNX.4.33.0208102138010.11281-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 10 Aug 2002, David Gauding wrote:

> Seab calling CQ at 0113Z on 7.039/40.

Just worked Seab and he was pushing the meter on the IC735 to six.
Strongest on the low dipole, better than the big loop or vertical. He's
got a great run going!

Thanks Seab,

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sat, 10 Aug 2002 19:50:35 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <ccart@phideaux.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <sslyon@megalink.net>
Subject: [132027] Re: 0140Z - AA1MY Rock-Mite
Message-ID: <00ea01c240d9\$7c8fb970\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And I copied this QSO in C0, both sides! Seab was about 329/339 but I
copied him fine. Then I heard him (Seab) work an MI station (didn't get
the call). After the MI station I tried calling Seab (I was using my
Icom at 5W) but no luck, maybe later.

73, Rod N0RC

----- Original Message -----
From: "Chris Cartwright" <ccart@phideaux.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, August 10, 2002 7:40 PM

Subject: Re: 0140Z - AA1MY Rock-Mite

> On Sat, 10 Aug 2002, David Gauding wrote:
>
> > Seab calling CQ at 0113Z on 7.039/40.
>
> Just worked Seab and he was pushing the meter on the IC735 to six.
> Strongest on the low dipole, better than the big loop or vertical.
He's
> got a great run going!
>
> Thanks Seab,
>
> -- Chris Cartwright, Unix Administrator |
ccart@phideaux.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363
9as --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI
#9271 --
>
>
>

Date: Sat, 10 Aug 2002 21:52:09 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <lew@paceley.com>, <qrp-1@lehigh.edu>
Subject: [132028] Re: Rock Mite Stats and Observations
Message-ID: <005501c240f2\$da804d60\$55e23a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, August 10, 2002 18:00 PM
Subject: Rock Mite Stats and Observations

(Lew wrote-:)

Note that the rig doesn't remember your last frequency when you power off. Mine powers up with 7039 as the initial frequency.

(Dave:)

It's determinate, i.e., repeatable, when it powers up, but after you've pushed the button a few times, you'll be hard-pressed to remember which frequency you're on anyway! An indicator LED in series with D5 would help keep track of it. (D5 would need to drop down in voltage to compensate for the extra forward drop through the LED.) Steve Weber, KD1JV, has already incorporated a similar mod into his Rock-mite

(Lew wrote:)

.....

>>

CURRENT CONSUMPTION

I only measured current consumption on the 7 AH 12 volt battery. With the battery Vcc at 12.5 Volts I measured the following on my Fluke 8050A multimeter:

Receive:

~40 mA no signal. The receive current increases slightly when I switch to the alternate frequency. The alternate frequency receive current is 41.5 mA.

<<

(Dave:)

I didn't mention it in the instructions, but the rig will work on a fresh 9V battery (heck- the original concept had the 9V battery inside the Altoids tin!) As a result of the zener biasing, it draws mondo current at 12-13V. That's overkill, and if you don't plan on 9V operation, the values of R1 and R8 can be increased to 1 kilohm to knock about 15 mA off that current consumption.

Thanks for the contribution- keep 'em coming!

73- Dave Benson, K1SWL

Date: Sat, 10 Aug 2002 22:00:49 -0400 (Eastern Daylight Time)
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: <qrp-l@lehigh.edu>
Subject: [132029] Re: 0140Z - AA1MY Rock-Mite
Message-ID: <3D55C551.000003.30907@pentium>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

I just worked Seab as well also using a rock mite here in Ohio. Some QSB then a lot of QRM at the end. He almost has his own fox hunt going. I heard several others calling him. These little rigs do work!
73/72 - Mike WA8BXN

Date: Sat, 10 Aug 2002 22:11:38 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [132030] Solder-It or Miracle Weld
Message-ID: <025b01c240dc\$6e7465e0\$04d579a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

At Dayton, in the arena, there was a guy from Solder-It (I think) who was demonstrating the use of some solder paste. It was in a syringe and he was doing PL-259's very handily. I've seen the same stuff sold locally as Miracle Weld. It claims to be "silver bearing solder paste". It melts at 430 degrees F and is supposed to be 5 times stronger than ordinary solder with a tensile strength of 10,000 to 25,000 PSI.

I'm wondering if this stuff is OK to use for PL-259's and other antenna field work with a torch. Has anybody had any experience with it? It appears to work OK, but I have no idea how it holds up or what electrical properties it has. I would hate to use it and have problems later on.

Thanks.

Dave K8TRF

Date: Sat, 10 Aug 2002 21:10:37 -0500

From: "George, W5YR" <w5yr@att.net>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132031] Re: Dipole >?<
Message-ID: <3D55C79D.565C76B3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What benefit(s) does resonance of the antenna confer?

What *is* "resonance" of the antenna?

How can you tell if your antenna is resonant?

What is the penalty if an antenna is non-resonant? Can you quantify?

How many broadcast stations do you know of that use "true 1/2-wave resonant antennas?"

How short can an antenna be and still be within 0.5 dB of the field strength of a full 1/2-wave dipole running the same input power in the same location?

Exactly why does an 88 ft antenna *not* work well or properly or whatever on 20 meters?

What does it fail to do that a "resonant dipole" would do better?

Why does an 88 ft antenna 35 ft off the ground provide a predicted broadside gain, per EZNEC, of 9.81 dBi on 20 meters?

Why does a 33 ft dipole in the same location show a predicted gain of about 7 dBi, again per EZNEC?

In what ways is the dipole "better" than the 88 ft EDZ?

I think you get the drift . . . I would like to know the answers to these questions so that I can better understand why my two crossed 20-meter extended double zepps (88 ft) work so well yet would be so much better if they were 1/2-wave resonant dipoles with nearly 3 dB less gain.

Oh, yeah, do you do any Fox Hunting? Ever hear any Pesky Texans?

Please explain and justify your claims so that newbies on the list will understand your assertions and keep them in perspective.

73/72/oo, George W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Rick McKee wrote:

>
> Who's talking about an optimized antenna ? All I've heard is 88' center
> fed doublets and 44 end fed wires and so forth, which are non resonant in
> any ham band ! Hardly what I'd call optimized, but I would call it "MAKE
> DO" at best. If you're gonna optimize your antenna, build a true 1/2
> wave resonant dipole and get it up 1/4 to 1/2 wave in the air, If you
> can't do that, then put up what you can and be happy with whatever
> contacts you can make !

Date: Sat, 10 Aug 2002 22:10:53 EDT
From: NOBN@aol.com
To: qrp-l@lehigh.edu
Subject: [132032] How do I set up an inexpensive HF station?
Message-ID: <151.12409091.2a8721ad@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Lots of good suggestions from all these fine folks, Peter.

I bought my first radio, a Yaesu FT-7B, for \$100.00 from a local ham 3 1/2 years ago. It did all the standard bands (no WARC) and put out 50 watts on SSB and CW. I got my first DX and many QSOs. My other two QRO radios are an IC-720A which cost about \$250 and a Kenwood TS-430S which was about \$350. These are all 15-20 year old radios but work just fine (except the FT-7B after I shorted 12 volts in through the key circuit: SSB doesn't work now! I'm mostly a CW man anyway).

A little bit of coax and wire make a dipole. Cut it for your frequency of choice and you're on the air. Add a tuner, an antenna switch and another cheap dipole and you have the run of two bands. If one of the dipoles is 40 M, you also have 15 M. If you choose one of the multiband antennas like a g5rv, you only need the one antenna.

If you have more questions or need clarification as you continue your process, please ask the group or any of us individually. We will be glad to help.

Don't worry about low power or building anything (except maybe the dipoles

because they're so cheap) for now. Have fun, get on the air and turn down the power later.

Good luck!

72/73

Daniel n0bn

Date: Sat, 10 Aug 2002 20:11:27 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.us>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132033] Re: SUNDAY'S ROCK NITE
Message-ID: <Pine.LNX.4.44.0208102008480.2169-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Rod the ssb guys are people on ranches in northern Mexico and it's just like our old Ranch Radio of the 50's. You can get them to move only if you interfere with enough power that they can't hear.

No idea what the digital stuff is, not Pactor at least.

On Sat, 10 Aug 2002, Rod N0RC wrote:

> Steve, Seab, Rock-Miters everywhere,
>
> Yes we are crazy. Why else do we do this!!! ;-)
>
> I'm thinkin' before we get caught up in too much organization, let's
> just try the "Rock-Mite Battle Royal" one time. Just for the fun of it.
>
> But I do like your idea Steve, for when more and more Rock-Mites fill
> the airwaves.
>
> Maybe a little low power mayhem around around 7040 will drive away the
> SSB & Digi stations. ;-)
>
> 73, Rod N0RC
>
>
> ----- Original Message -----
> From: "Steven Weber" <kd1jv@moose.ncia.net>

> To: <qrp-1@lehigh.edu>
> Cc: <rod@n0rc.us>; <sslyon@megalink.net>
> Sent: Saturday, August 10, 2002 4:21 PM
> Subject: SUNDAY'S ROCK NITE
>
>
> > I've been thinking again..
> >
> > If we all get on Sunday night at 10 pm local with our R/M's,
> SMK-1's,TT-2
> > or whatever, and start calling CQ, since we're all mostly on the same
> > frequency, mayham could result ! (okay, that's optimistic, but it
> could
> > happen :-)
> >
> > So, maybe we could work this sorta like a FOX hunt. Have one station
> in
> > each time zone designated as the "Master Rock" After an hour, he would
> turn
> > it over to a "MR" in the next time zone. MR stations would call "CQ
> RN"
> > exchange RST, SPC, name, type of rig (RM, SMK, TT2 or HBX) and power.
> You
> > don't have to be in the same TZ as the MR to work 'em.
> >
> > I nominate Seab, AA1MY to be the first Eastern time zone "Master Rock"
> and
> > Ron, N0RC to be the Mountian time zone "Master Rock" - if that's okay
> with
> > you guys :-) Any volunteers for Central and Pacific?
> >
> > Geez, are we nuts or what? Is this getting too carried away and we
> should
> > just try the free for all and see how it goes?
> >
> >
> > 72,
> > Steve, KD1JV
> > "Melt Solder"
> > White Mountains of New Hampshire
> > <http://www.qsl.net/kd1jv/>
> >
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sat, 10 Aug 2002 21:26:17 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: n0rc@arrl.net, netxqrp <netxqrp@mailman.qth.net>
Subject: [132034] Re: Rock Mite Stats and Observations
Message-ID: <002601c240de\$794b71a0\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Folks,
Please substitute the following xmit/rcv table for the one I sent previously. I relied on my uncalibrated ears and not Spectrogram and got a bad result (thanks Dave!). Here's the corrected results:

Operating Freq.	VBFO Freq.
7039.1	7039.9
7039.9	7039.1

There should be no third frequency as shown in the previous table. Stations operating on the same frequency should be heard as a 800 Hz tone only. Tnx es

72/73,
Lew
N5ZE

Date: Sat, 10 Aug 2002 21:27:06 -0500
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: dodgeboy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132035] Re: Solder-It or Miracle Weld
Message-ID: <3D55CB7A.78956AB2@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Benham wrote:

>

> At Dayton, in the arena, there was a guy from Solder-It (I think) who was
> demonstrating the use of some solder paste.

Play on words Dave

What you saw was Miracle Flux. I have some and it helps very very much;
especially
on the SO connectors.

The other item is Miracle Weld and it's an aluminum rod for use with a
propane
torch. It also works very well but not as a solder. More like a braze
for aluminum.
I have some of that too.

Mike
Iowa

Date: Sat, 10 Aug 2002 23:06:11 -0400
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: pbonucci@slonet.org, qrp-l@lehigh.edu
Subject: [132036] Re: How do I set up an inexpensive HF station?
Message-ID: <3D559C63.10289.538D1@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Look for an older HF rig and hook it up to a dipole.

FT 101, FT 301, IC 720a might make good candidates

Henry

On 10 Aug 2002 at 14:28, Peter A. Bonucci wrote:

> My son (9 years old) and I are working on getting our technician with
> code licenses and I would like to set up a HF station.

>

> Because I don't know how long he will stay interested, I would like to
> keep this to less than US\$250. I thought that the "doing more with
> less" people could help me out on this. I am concerned that mW power
> levels would be too frustrating and would like keep it near or above 5
> W. Kits would be acceptable, if it keeps the price down.

>

> I think that he would be thrilled to make international contacts and I
> would accept a single-band installation, if he could get a taste of
> DX.
> As an ex-SWL, I find the concept of a receiver that has a range of
> 50
> kHz disturbing but, if this is a viable introduction to ham radio for
> my son, I will accept it.
>
> So, what all do I need to give my son a taste of what HF is like
> without spending a lot of money?
>
> Peter A. Bonucci
>
>
>

Date: Sat, 10 Aug 2002 23:25:05 -0400
From: David J Adams <david@theadamsclan.com>
To: qrp-l@lehigh.edu
Subject: [132037] Jackson Hamfest
Message-ID: <3D55D911.7080106@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Well, I headed out to my first Michigan hamfest this morning. Highlight was a gent selling FOXX3 kits and another feller selling a qrp bird wattmeter. Didn't end up bringing anything home...well, one thing...a new CSCE for my extra exam! Stick a fork in me folks, I'm done with the testing....think I'll go try a few of the new frequencies.

73 de dave, n9uxu/8

Date: Sat, 10 Aug 2002 23:46:05 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "Rod N0RC" <rod@n0rc.us>, <qrp-l@lehigh.edu>,
"Steven Weber" <kd1jv@moose.ncia.net>
Subject: [132038] Re: SUNDAY'S ROCK NITE
Message-ID: <006301c240e9\$9f197ac0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, no organization this time is probably a good idea. I hope someone records this 'benchmark'... should be similar to a FOX nite -if recent interest is any indication. I'm beat... C U all tomorrow.

72

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
N 44.3890 - W 70.8450
FN44nj aa1my@arrl.net

Date: Sun, 11 Aug 2002 00:06:44 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: sslyon@megalink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132039] Re: SUNDAY'S ROCK NITE
Message-ID: <3D55E2D4.77180FFA@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Seab:

Thanks for the contact tonight. Nice signal...
What was your grand total of qso's, and what was the longest contact distance wise.

Fred
VE3FAL
ss lyon wrote:

>
> OK, no organization this time is probably a good idea. I hope someone records
> this 'benchmark'... should be similar to a FOX nite -if recent interest is any
> indication. I'm beat... C U all tomorrow.
> 72
> "Seab" Lyon - AA1MY
> Bethel, ME 04217 USA
> N 44.3890 - W 70.8450
> FN44nj aa1my@arrl.net

Date: Sat, 10 Aug 2002 21:12:58 -0700
From: "M.M." <markem@cox.net>

To: qrp-1@lehigh.edu
Subject: [132040] PSK Freqs?
Message-ID: <5.1.0.14.0.20020810210918.00ae0de0@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I finally got things set up for psk31 and have found a fair amount of activity on 20M around 14070 but not much anywhere else. Anyone know the psk hangout freqs on the other bands? I don't have an antenna for 80M but can work about anything else.

Tks & 73... Mark AA7TA

Date: Sat, 10 Aug 2002 23:37:03 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-1@lehigh.edu>
Subject: [132041] 'Mi-Te-Box request for D. Hauff
Message-ID: <000701c240f0\$dfc12120\$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Doug--

Please reserve a Rock-Mite Mi-Te Box (say that fast six times!) for me. I'll send you the Pay-Pal \$ as soon as you're ready to handle it.

Oh, boy! Christmas in August!

Max Moon, K MAX

Date: Sat, 10 Aug 2002 22:21:15 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <markem@cox.net>, <qrp-1@lehigh.edu>
Subject: [132042] Re: PSK Freqs?
Message-ID: <02ec01c240f6\$ea7d2e00\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

7070, 10140, 18100, 21070, 24920 and 28120. And up 2 to 3Khz from each spot. Sometimes the 'TOR stuff drives the 30M stations down into the 1013x region. Sometimes the 17M signals will be closer to 18105. If 10M is open, it rivals 20M for activity but the rest are pretty spotty. Personally, I think it would be a great mode to go up amongst the 40M broadcasters mute the local speaker ;-). But I have never seen anyone doing that. Oh, 3580 for 80M and some between 3610 and 3620, although usually MFSK16 (or something) rather than PSK31.

Gary WA6DTX

----- Original Message -----

From: "M.M." <markem@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, August 10, 2002 9:12 PM

Subject: PSK Freqs?

> I finally got things set up for psk31 and have found a fair amount of
> activity on 20M around 14070 but not much anywhere else. Anyone know the
> psk hangout freqs on the other bands? I don't have an antenna for 80M but
> can work about anything else.

>

> Tks & 73... Mark AA7TA

>

Date: Sun, 11 Aug 2002 00:36:40 -0500

From: "Max Moon" <maxmoon@umn.edu>

To: <qrp-l@lehigh.edu>

Subject: [132043] Adding a Dan's RIT to SW30+

Message-ID: <001101c240f9\$126f17a0\$9739fea9@computer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Dear QRP-lmers,

I've just completed a 30M Small Wonders SW+ and want to add RIT. Dave Benson has had to drop his RIT kit but Dan's Small Parts has one they say is designed for rigs like the SW+. My problem is, how do I combine the two??

This is what I tried:

1. The RIT schematic calls for 12V but the handiest source is the 8V going

into the SW30+ tuning pot input at J2-1. To see if that might work I read everything in the ARRL Handbook on FETs and JFETs and N-Channel JFETs. I understood it only somewhat. To that extent, it seemed like the RIT's MPF102 should work w/ 8V to the source & 12V to the gate when the key is depressed. So I did it.

2. For the RIT ground, I used the ground coming out of the SW30+ tuning pot, J2-3.

3. The schematic says the RIT output would go "TO L0" and "to the VFO main tune capacitor". After fruitlessly trying the SW30+ varicap diode, I decided on the SW30+ tuning pot wiper, J2-2. It seemed like a good idea at the time....

4. Finally, I ran the key into the RIT where it's shown--the one thing I felt really confident about :-)

The bad news: the RIT didn't work.

The good news: the SW30+ still works (that Dave Benson, some kinda designer, eh?).

I decided to quit while I was still ahead and ask for help before doing something I regret to the transceiver--the only thing I've built that's worked!!

If any of you would point out where I went wrong, I'd really be grateful.

Thanks in advance,

Max, K MAX

Date: Sun, 11 Aug 2002 00:38:53 -0600
From: William Carver <bcarver@safelink.net>
To: qrp-l@lehigh.edu
Subject: [132044] [131963] It's Crystal Clear (first filter)
Message-ID: <3D56067D.E6FAC814@safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nick Kennedys comments on making xtal filters is good info. The rush you get from pulling the first one off can be something close to the rush you get from your first QSO, or your first DX, etc.

Another slant on making your own filters appeared in the Winter issue of 1993 Communications Quarterly. It describes the design process using Hayward's "X" program (bound in the back of Solid

State Design for the Radio Amateur) to do the gruntwork. I'm told that article will be or perhaps is already available on CD from the ARRL.

If you use the DeMaw test box to measure your xtals, or some variation of it. Using one xtal of a set to make a VXO generator is neat, or get Steve Weber <kd1jv@moose.ncia.net> to make you a 0.1 Hz resolution DDS generator. In some way you will get the series resonant frequency of your xtals. Hayward's "X" program will tell you the center frequency of your filter. Alternate characterization, using the xtal in an oscillator and measuring the shift in frequency caused by a known capacitor also lets you calculate the equivalent "L" of the crystal but be aware that the filter passband is NOT the same as the oscillation frequency. The difference can be a KHz or more. Usually no big deal, just don't be puzzled or surprised.

As Nick said, you are measuring the "loaded Q" of the xtal, the Q of the circuit of signal generator+xtal+voltmeter/scope. Filter calculations, whether by Hayward's software or otherwise, always want that "unloaded Q". If signal generator = 0 and voltmeter = 0 then you would be measuring the 0+xtal+0, the Q of the xtal itself. The closer you get to zero for the generator and detector the more directly you will be measuring the Q of the bare xtal itself.

I recommend impedances a lot lower than the 50 ohms used by DeMaw in his original tester. Transformers potentially add an unknown amount of reactance. If you have a nominal 50 ohm generator, put a 44.2 ohm 1% resistor from generator to xtal and a 4.99 ohm 1% resistor from xtal to ground. The resistors cost you a buck from Digikey, but with them the exact impedances of generator/detector are less critical. If they really ARE 50 ohms the xtal will see 4.74 ohms at each end. If 25 ohms the xtal sees 4.65 ohms, or 100 ohms the xtal sees 4.82 ohms. Total variation is only 0.17 ohms at the xtal over a 25-100 ohm range for the generator. So if your xtal resistance measured (say) 10 ohms then you can correct measured Q to the unloaded Q with at most a few percent additional error. Of course the resistors attenuate the signals....your VXO generator might have to be more QRO than a qrp transmitter. The limit is the 1/4W rating of the 44.2 ohm resistor (Or two 88.7 ohm in parallel for 1/2W, hi). You might need to amplify the output end of the xtal. These are small prices to pay for the additional accuracy.

To know the "R" of the xtal at resonance you will substitute a pot for the xtal in the tester. Using a small, multiturn cermet potentiometer (NOT wirewound!) you will have lots of resolution and adjustment range. Digikey to the rescue again: they have a BC brand (Centralab) cermet pot.....50 ohms should cover any xtal you find....for \$1.43. A high resolution digital ohmmeter is the ticket to measure the pot after it's removed from the tester....as the phase goes, "beg, borrow or" if you want the best accuracy. But use what you have for measurements and don't get

uptight: extra 4.99 ohm 1% resistors, same as those in the attenuator, give you calibration points that you know within 1% at 4.99 ohms, 9.98 ohms (two in series), 2.995 ohms (two in parallel), etc. A handful of low value resistors is....handy.

Caution, practical issue: an xtal in the tester will filter out generator harmonics. The pot won't. The voltmeter or scope will report what it sees. That can lead to errors if your homebrew VXO has lots of harmonic output. Be sure you put a 5 pole lowpass filter between the VXO and the tester. Better safe than thrash around gnashing your teeth because the computer-modelled filter isn't EXACTLY how it comes out.

One more practical issue to keep in mind: ONLY a Cohn filter uses xtals on exactly the same frequency. The task of matching up identical xtal frequencies is easy to do. But be aware that the shape of a Cohn filter beyond a few poles gets strange-looking, with ripples and sharp peaks at the edge of the passband. "X" will show you the shape.

Classical filter designs like "Butterworth" (smooth, rounded top) or "Chebychev" (ripples on top, sharpest possible drop at edge) do NOT have all xtals on the same frequency. Hayward's "X" software will show one xtal as "zero" offset. Its frequency becomes the reference point for the other xtals. "X" computes the difference in frequency between it and the other xtals. Instead of getting all of xtals on exactly the same frequency, you have to match up the batch of xtals that have the spacing that "X" computes. Sounds horrible but actually its not all that difficult. You buy a batch of xtals and match their spread to what "X" tells you it needs. Typing the xtal parameters into a Excel spreadsheet, it makes things lots easier (average Q, average L, and offset between xtals).

I've bought hundreds of xtals over the last ten years. The best were from ECS, a brand Nick mentioned. A lot of 100 xtals had an average of about Q=180K, a few below Q=100K. That batch produced four or five fairly tricky filters. But that was ten years ago when their xtals were marked "Philippines". Subsequent purchases are marked "China", and they are substantially poorer: many with average Q=120K, five percent in the 50K-60K range, none above 200K. Understand that even low Q xtals, as long as they are above a certain theoretical minimum value, can produce EXACTLY the same filter shape and selectivity as the better xtals. The only difference is the coupling capacitors are a little smaller and signal loss will be higher. I'd love to hear if someone can identify a dependable source of higher quality, non-Chinese xtals (I'm not racially or culturally biased, we're talking strictly about crystal Q here). I'd always buy at least twice as many xtals as I

think I'm going to need for the filter. Heck, at a buck apiece buy three times as many.

To be blunt, I've found swapmeet microprocessor xtals are pure crap. One purchase of 250 4 MHz microprocessor xtals and a Christmas vacation measuring their parameters left me with a box of low Q xtals without enough in common to make one good filter. On the other hand I had a wonderful time testing xtals on Grandma's floor, and that entertainment only cost me \$10. Caveat Emptor as they say.

For those on the list who could care less about making filters, sorry for using your bandwidth. For those who enjoy solving the puzzles and building, prepare yourself for the ultimate rush.

73 - Bill - W7AAZ

Date: Sun, 11 Aug 2002 07:19:19 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: maxmoon@umn.edu, qrp-1@lehigh.edu
Subject: [132045] Re: Adding a Dan's RIT to SW30+
Message-ID: <F71yHInfiXNAEJGMFY8000147c5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Max, check out the RIT schematic on K8IQY's site

www.qsl.net/k8iqy

That should work with the SW+ series of rigs. You can see where it goes to the VFO section on the 2N2/40+ and that should point you in the right direction.

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499

FISTS # 9299

GACW #622

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Sun, 11 Aug 2002 01:05:16 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132046] What's up with the repeats???
Message-ID: <00cb01c2410d\$d47ae7c0\$1beab3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Am I the only person getting e-mails from this list 2 or 3 times over???
Has the server gone nuts? Just wondering here in Burbank...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Sun, 11 Aug 2002 03:42:51 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [132047] Rock and rollen Mite be done
Message-ID: <03d001c24113\$14199480\$6d74da0c@mchsi.com>

Board is finished!! Took about 3 hours give or take some time for
my grandson.

Excellent job Dave:

Altoid is ready!! Just need to get out to RS tomorrow and pick up a
BNC and jacks.

By the way, anyone try the mod for volume control yet?
Which one did you use?

Any luck, I'll be able to join the fun Sunday evening.

72 to the group: Jerry NOJRN

Date: Sun, 11 Aug 2002 09:14:00 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: nkennedy@tcainternet.com, qrp-1@lehigh.edu
Subject: [132048] RE: It's Crystal Clear (first filter) (1,464 words)
Message-ID: <F102TxoLndjdY61cIP700029f99@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Nick Kennedy <nkennedy@tcainternet.com>
>Reply-To: nkennedy@tcainternet.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: It's Crystal Clear (first filter) (1,464 words)
>Date: Sat, 10 Aug 2002 19:58:30 -0500
>
>Thanks Don. That article (Designing and Building Simple Crystal Filters)
>initially left me scratching my head, but I'm giving it another look. I
>had asked a couple of guys what the process is for Cohn filters, and did
>Google searches on the term but came up dry.
>
>Here's how the article describes the process: 1) Get some matched (in
>frequency) crystals. 2) Select a value of C. Larger for narrower
>bandwidth and smaller for wider bandwidth. 3) Vary the end termination
>[resistance] to obtain a shape that is free of passband ripple while
>providing sufficient stopband attenuation. BTW--the filter has crystals in
>series and identical capacitors, one in series with each end and one from
>each junction of two crystals to ground.
>
>So, #1 sounded pretty easy and #2 is easy except for deciding what C to
>choose. There is a table of suggested choices for the three-crystal filter
>and various bandwidths. But I'm not sure if it's intended just for the
>3.579 MHz crystals or for any crystal(?)

It will only apply to a particular crystal. It's very instructive to model filters with SPICE and play around with the values. You don't have to measure the parameters, you can just take some representative values from the Handbook section on filters.

Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sun, 11 Aug 2002 04:05:47
From: Tim and Michele Groat <tmgroat@peakpeak.com>
To: qrp-l@lehigh.edu
Subject: [132049] RE: QRP - GPS redux
Message-ID: <3.0.3.16.20020811040547.1b7f2c74@peakpeak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

ss lyon" <sslyon@megalink.net>:

> I've pretty much narrowed the tortuous search down to Garmin units. Two
> questions:
> a.) Has anyone who owns basic units, or the "Legend", regretted not going
for
> the more expensive "Vista" or "'76S" ?
> b.) Does the external antenna option make a significant difference under
dense
> canopy?

a) I use a basic GPS-12 model, and I like it just fine! I guess that will hold
true as long as I don't borrow a better one and get used to features it
doesn't
have. The basic position, waypoints, and route re-tracing are my most-used
functions. It also can be programmed to show Maidenhead grid square locations,
which is a plus if you're interested in VHF/UHF rover operations.

b) I find the internal antenna works just fine in the woods. If you think
about
it the microwave antenna is really small, so fitting it into the GPS case
doesn't compromise it to speak of. The remote antenna is of similar size and
performance. The external antenna is useful mostly for installations in a
metal
boat or vehicle, to get "outdoor" performance with an "indoor" GPS. If

you're in
a deep valley where the terrain blocks the view of the satellites, the
external
antenna won't "see" them any better. Save the space and weight in your pack
for
a set of spare batteries!

72/73,
Tim (KROU)

Date: Sun, 11 Aug 2002 06:31:47 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: nkennedy@tcainternet.com
Cc: qrp-l@lehigh.edu
Subject: [132050] Re: It's Crystal Clear (first filter) (1,464 words)
Message-ID: <5.1.0.14.1.20020811062357.00a8c0c0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:57 AM 8/10/02 -0500, Nick, WA5BDU wrote:
>-snip-

>On buying crystals, I asked Jim K. where he gets them and he said he likes
>ECS from Mouser for consistently high Q and good quality.

Well actually, I don't use ECS crystals. I buy from Mouser, but
like the Fox and Vishay/Dale brands. Quite reasonably priced, and
very high Qs. I believe the guys from Elecraft use ECS crystals
though.

> I admire Jim's
>perfectionism, but my ham spirit directs me to the cutout bins and into
>those boxes stashed under the table at the hamfest.

Me too, but risky when you want to publish a design that can be
duplicated by the masses.

-snip-

I sure enjoyed Nick's encapsulation of a lot of work and publishing
done by many, including myself. With the advent of the NorCal
VX0 design contest, I'm frothing at the bit to get some of the
7040 and 14060 crystals from Doug and measure their characteristics

on my setup. If nothing else, to verify Dave's values, and learn something more about this interesting aspect of the hobby.

GL to all those who will be designing and building an entry for the NorCal contest. Time permitting, I'll have something there too.

Thanks again Nick for your wonderful, enlightening post.

Jim, K8IQY

Date: Sun, 11 Aug 2002 07:28:26 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <tmgroat@peakpeak.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132051] Re: QRP - GPS redux
Message-ID: <003801c2412a\$390117c0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Tim and Michele Groat" <tmgroat@peakpeak.com>
>
> b) I find the internal antenna works just fine in the woods. If you
think
> about
> it the microwave antenna is really small, so fitting it into the GPS
case
> doesn't compromise it to speak of. The remote antenna is of similar size
and
> performance. The external antenna is useful mostly for installations in
a
> metal
> boat or vehicle, to get "outdoor" performance with an "indoor" GPS. If
> you're in
> a deep valley where the terrain blocks the view of the satellites, the
> external
> antenna won't "see" them any better. Save the space and weight in your
pack
> for
> a set of spare batteries!
>
> 72/73,
> Tim (KR0U)

The external antenna could be an issue if you have a vehicle with one of the RF restrictive windows. GPS, radar detector, and the radio 'toll' boxes have problems inside these vehicles.

If you're not sure, go to some of the 'toll' websites like for the Mass Pike or 'FastLane' and look for lists of vehicles they recommend as requiring optional toll boxes instead of the windshield or dash mount units. If your vehicle is on the list, you may not be satisfied with the performance of 'internal only' GPS units in your car.

Mike

Date: Sun, 11 Aug 2002 05:53:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Max Moon <maxmoon@umn.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132052] Re: Adding a Dan's RIT to SW30+
Message-ID: <Pine.LNX.4.44.0208110548170.1597-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Max, make sure the ground you found is really ground. Make sure you put the rit together right and didn't blow the fet. It kind of sounds like a blown fet.

You put the rit wire on the place the veracap goes to. If it's too much then move it back a bit. Fool around. I have one on a 2n2-40 and it works fine.

On Sun, 11 Aug 2002, Max Moon wrote:

> Dear QRP-1mers,
>
> I've just completed a 30M Small Wonders SW+ and want to add RIT. Dave Benson
> has had to drop his RIT kit but Dan's Small Parts has one they say is
> designed for rigs like the SW+. My problem is, how do I combine the two??

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 08:06:03 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@lehigh.edu>, <fpqrp-1@fpqrp.com>
Subject: [132053] FS: HP 3585A Spectrum Analyzer
Message-ID: <001101c2412f\$775b5da0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone,

I have for sale a 100 pct functional Spectrum Analyzer.

Before I post on Ebay, thought I'd go fishing here first.
Selling price is \$1,700.00, includes manuals.
I will not ship this instrument located near Cincinnati Ohio.
It weights 85 lbs. Will deliver it half way 500 miles max.

SPECIFICATIONS:

Frequency Measurement Range: 20 Hz to 40.1 MHz
Displayed Frequency Span - Range: 0 Hz to 40.1 MHz
Resolution Bandwidths - Range: 3 dB bandwidth of 3 Hz to 30 kHz in a 1, 3, 10 sequence

Amplitude Measurement Range
* 1 Mohm input: -31 nVrms to +7.08 Vrms
* 50/75 ohm input: -137 dBm to +30 dBm

Displayed Range
* Scale: 10 division CRT vertical axis
* Calibration: 10, 5, 2 and 1 dB/division
Input Range: -25 dBm to +30 dBm in 5 dB steps
Reference Level Range (relative to input range): -100 dB to +10 dB

Dynamic Range: Spurious Responses
* 50/75 ohm input: < -80 dB
* 1 Mohm input: < -80 dB

Intermodulation Distortion
* 50/75 ohm input: < -80 dB
* 1Mohm input: < -70 dB

Residual Responses: < -120 dBm using -25 dBm range Residual Phase Noise

* 5 kHz offset: -112 dBc/Hz

* 100 kHz offset: -120 dBc/Hz

Sweep Modes: Continuous, single or manual

Trigger: free Run, Line or External

Time: 0.2s full sweep to 200s

Input Signal Inputs

* 50/75 ohm input: BNC connector

* 1 MW input: BNC connector

Maximum Input Level

* 50/75 ohm input: 13 V peak ac plus dc

* 1 MW input: 42 V peak ac plus dc

Output Tracking Generator

* Level: 0 dBm to -11 dBm with a single turn knob

* Impedance: 50 ohm

Frequency Reference: 10.000 MHz

HP-IB Interface

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W

SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26

FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Sun, 11 Aug 2002 08:05:37 -0400

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Cc: <kg6cyn@earthlink.net>

Subject: [132054] Re: What's up with the repeats???

Message-ID: <002501c2412f\$684de940\$010044c0@chartermi.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

This happens to me from time to time, it doesn't happen to be occurring right now, though. I suspect some server along the way is having trouble. Most likely it's not getting verification that some other server is

receiving the messages so it's sending them again. Eventually the sysadmin will get things configured right, and the problem will go away until some other server gets misconfigured.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 4:05 AM
Subject: What's up with the repeats???

> Am I the only person getting e-mails from this list 2 or 3 times over???
> Has the server gone nuts? Just wondering here in Burbank...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
>
>

Date: Sun, 11 Aug 2002 07:21:41 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: qrp-l@lehigh.edu
Subject: [132055] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <06a301c24131\$a6616980\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Does anyone here have any advice for someone starting out that wants to make straight keys and paddles using a small milling machine?

By the way, I uploaded some movies of some stuff being made on these small machines. They should give you a better idea of what these things are. Check it out.

Clisby Miniature Machines
<http://www.cyberbound.net/clisby>

73/72/71! de Brice KA8MAV

Date: Sun, 11 Aug 2002 08:31:43 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [132056] rel. 3.00...a peek (poke?) at the future of DSWTUN95...
Message-ID: <F1265xssy2UeY9GHLks00000054@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, Y'all.

Well, I just ain't satisfied...yet.
Gonna try to implement 'direct' freq entry next.
When I'm done, DSWTUN95 *should* look something like this:
<http://www.qsl.net/n4qa/dsw/dsw300.jpg>

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

ps

Due to spam countermeasures, I see responses via this list and personal contacts list only.

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Sun, 11 Aug 2002 07:32:52 -0500
From: Ken Hopper - NSIT <khopper@uchicago.edu>
To: QRP-L <qrp-l@lehigh.edu>
Cc: WA9WJB Duke <torpor@fnal.gov>
Subject: [132057] WTB: curtis 8044ABM chip
Message-ID: <3D565974.8050901@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Dear QRPers,

I have a buddy, WA9WJB Duke, who is looking for a replacement chip for his favorite keyer. He needs an old Curtis 8044ABM. Anyone got one in their junkbox? or know where to buy one?

Pse respond to Duke WA9WJB <torpor@fnal.gov>
or me and I'll pass it along

mny tnx,
de ken n9vv
<n9vv@arrl.net>
<http://www.n9vv.com>

Date: Sun, 11 Aug 2002 13:40:04 +0100
From: "Hubert Smits" <hubert.smits@btinternet.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [132058] RE: ROCK MITE - AA1MY Report
Message-ID: <05f801c24134\$39bd0930\$0100000a@mynote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Seab,

Where can I find the details on KD1JV's filter board that you mentioned
in your email below?

Thanks and 72 de Hubert

<snip>

| I gave up around 11:45PM Eastern with ears ringing from EU
| QRO. KD1JV's filter board with AGC really works great in
| these circumstances... I couldn't have lasted 2.5 hrs without
| it! I'll send him a picture of my unpackaged station to post
| on his web page. I did hear WA6LTV @ 5/4/9 calling N0RC, but
| guess he couldn't hear me. Couldn't hear N0RC but that was
| asking a lot given the circumstances. NF0R was QSB in/out
| both times we worked but solid 5/3/9 or so until QRO dumped on him.
|

Date: Sun, 11 Aug 2002 06:53:50 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <hubert.smits@btinternet.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [132059] Re: ROCK MITE - AA1MY Report
Message-ID: <00e901c24136\$24be35c0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.qsl.net/kd1jv/index.html>

73, Rod N0RC

----- Original Message -----

From: "Hubert Smits" <hubert.smits@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 6:40 AM
Subject: RE: ROCK MITE - AA1MY Report

> Hi Seab,
>
> Where can I find the details on KD1JV's filter board that you
mentioned
> in your email below?
>
> Thanks and 72 de Hubert
>
> <snip>
>
> | I gave up around 11:45PM Eastern with ears ringing from EU
> | QRO. KD1JV's filter board with AGC really works great in

Date: Sun, 11 Aug 2002 09:14:19 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132060] Re: Dipole >?<
Message-ID: <3D56632B.5C410A17@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, of course, you are right. Why didn't I think of that. Put up a resonant dipole a half wavelength above ground. But, suppose I could not put up a resonant dipole?

What do I do then? Any antenna that is not a full sized resonant array is a COMPROMISE. Almost all of us use a COMPROMISE antenna. If we don't understand how they work and try to optimize them we'd be better sticking to our rubber duckys!

73

Date: Sun, 11 Aug 2002 13:04:03 +0100
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132061] Re: QRP - GPS redux
Message-ID: <001c01c24139\$6b8c66e0\$866286d9@celeron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Both G3MFJ & I have the E-trex Legend and we used them recently on our visit to Arizona & Nevada.

We each use a cheap cellphone holder that sticks (by suction cup) onto the windscreen so we can read the GPS while keeping our eyes on the road (especially useful when you aren't used to driving on the "wrong" side).

I can't recall once seeing the thing losing lock on a satellite. It seems as long as the Legend can see the sky it is happy and doesn't need an external antenna.

Over here I drive a Ford with the heated wire element in the front windscreen and that doesn't seem to affect the Legend either.

It's a great feeling to know that as long as you have the right maps loaded, you can't easily get lost with a GPS like this. There are more expensive receivers and even some that talk to you, but I'm not sorry I bought this model. I recommend getting the power cord. Not that it eats batteries unduly, but because the backlight stays on permanently which is great for night navigating in the car.

I also would like to thank every one of you for your U.S. tax dollars that keep those satellites up.
Most generous!

Kind regards

Tony - G4WIF

Date: Sun, 11 Aug 2002 13:20:00 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: bdh@cyberbound.net, qrp-l@lehigh.edu
Subject: [132062] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <F110IMVPPfRnJzxJmAJ00004882@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Brice D. Hornback" <bdh@cyberbound.net>
>Reply-To: bdh@cyberbound.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Clisby Vertical Milling Machine and Lathes
>Date: Sun, 11 Aug 2002 07:21:41 -0500
>
>Does anyone here have any advice for someone starting out that wants to
>make
>straight keys and paddles using a small milling machine?

I'd be inclined to copy an existing design first. Measure all the components, make your own engineering drawings, and make it from the drawings.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sun, 11 Aug 2002 09:15:53 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [132063] Wobble198@aol.com: (no subject)

Message-ID: <20020811.091707.8878.6.kc8aon@juno.com>

----- Begin forwarded message -----

From: Wobble198@aol.com

To: kc8aon@juno.com

Subject: (no subject)

Date: Tue, 6 Aug 2002 04:39:15 EDT

Message-ID: <73.23a6cdc2.2a80e533@aol.com>

--part1_73.23a6cdc2.2a80e533_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

HEY BB,

I SURE ENJOYED LUNCH! HERE IS THE LINK TO THE MONASTERY IN WAYNE.
<http://www.holycross-hermitage.com/>

LET ME KNOW WHAT YOU THINK

--part1_73.23a6cdc2.2a80e533_boundary
Content-Type: text/html; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<HTML><FONT SIZE=2 FAMILY="SANSERIF"
FACE="Arial" LANG="0">HEY BB,

I SURE ENJOYED LUNCH! HERE IS THE LINK TO THE MONASTERY IN WAYNE.

<http://www.holycross-hermitage.com/>

LET ME KNOW WHAT YOU THINK</HTML>

--part1_73.23a6cdc2.2a80e533_boundary--
----- End forwarded message -----

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 11 Aug 2002 09:07:29 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu

Subject: [132064] Re: Dipole >?<

Message-ID: <20020811.091707.8878.0.kc8aon@juno.com>

Careful now, not too much at once, the "PESKY TEXAN's" brain might go into melt down ! I'm just trying to get this dog crap out of every ones system so we can ALL move on to greener pastures. You perfectionists and self proclaimed experts just don't know when to shut up - GET THE PICTURE NOW ?

Rick McKee, KC8AON

Willow Wood, Ohio

QRP - Do more with less !

On Sat, 10 Aug 2002 21:10:37 -0500 "George, W5YR" <w5yr@att.net> writes:

>What benefit(s) does resonance of the antenna confer?

>

>What *is* "resonance" of the antenna?

>

>How can you tell if your antenna is resonant?

>

>What is the penalty if an antenna is non-resonant? Can you quantify?

>

>How many broadcast stations do you know of that use "true 1/2-wave

>resonant

>antennas?"

>

>How short can an antenna be and still be within 0.5 dB of the field

>strength of a full 1/2-wave dipole running the same input power in the

>same

>location?

>

>Exactly why does an 88 ft antenna *not* work well or properly or

>whatever

>on 20 meters?

>

>What does it fail to do that a "resonant dipole" would do better?

>

>Why does an 88 ft antenna 35 ft off the ground provide a predicted

>broadside gain, per EZNEC, of 9.81 dBi on 20 meters?

>

>Why does a 33 ft dipole in the same location show a predicted gain of

>about

>7 dBi, again per EZNEC?

>

>In what ways is the dipole "better" than the 88 ft EDZ?

>

>I think you get the drift . . . I would like to know the answers to

>these
>questions so that I can better understand why my two crossed 20-meter
>extended double zepps (88 ft) work so well yet would be so much better
>if
>they were 1/2-wave resonant dipoles with nearly 3 dB less gain.
>
>Oh, yeah, do you do any Fox Hunting? Ever hear any Pesky Texans?
>
>Please explain and justify your claims so that newbies on the list
>will
>understand your assertions and keep them in perspective.
>
>73/72/00, George W5YR - the Yellow Rose of Texas
>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
>Amateur Radio W5YR, in the 56th year and it just keeps getting better!
>QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
>Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>
>
>Rick McKee wrote:
>>
>> Who's talking about an optimized antenna ? All I've heard is 88'
>center
>> fed doublets and 44 end fed wires and so forth, which are non
>resonant in
>> any ham band ! Hardly what I'd call optimized, but I would call it
>"MAKE
>> DO" at best. If you're gonna optimize your antenna, build a true
>1/2
>> wave resonant dipole and get it up 1/4 to 1/2 wave in the air, If
>you
>> can't do that, then put up what you can and be happy with whatever
>> contacts you can make !

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 11 Aug 2002 09:21:08 -0400

From: Rick McKee <kc8aon@juno.com>

To: qrp-l@lehigh.edu

Subject: [132065] Re: Dipole >?<

Message-ID: <20020811.092112.8878.8.kc8aon@juno.com>

You guys need to take a laxative so we can clean this \$#!^ up and move on !

KC8AON

On Sun, 11 Aug 2002 09:14:19 -0400 Bruce Muscolino <w6toy@erols.com> writes:

>
>Yes, of course, you are right. Why didn't I think of that. Put up a
>resonant dipole a half wavelength above ground. But, suppose I could
>not put up a resonant dipole?
>
>What do I do then? Any antenna that is not a full sized resonant
>array
>is a COMPROMISE. Almost all of us use a COMPROMISE antenna. If we
>don't understand how they work and try to optimize them we'd be better
>sticking to our rubber duckys!
>
>73

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 11 Aug 2002 09:40:20 -0400

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [132066] Re: QRP - GPS redux

Message-ID: <5.1.0.14.1.20020811092713.00b312e0@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:04 PM 8/11/2002 +0100, you wrote:

>It's a great feeling to know that as long as you have the right maps loaded,
>you can't easily get lost with a GPS like this.

Tony,

I doubt there's anyone on this list who needs a warning (after all, it takes a person of intelligence and wisdom to figure out how to subscribe), but without basic navigation skills a GPS receiver isn't much use.

There was a story in the news a couple of years ago about a group of people from the East Coast (Philadelphia area I believe) who were going hiking in eastern Pennsylvania. They had a GPS receiver that one of them had just purchased, but no compass! And none were able to discern direction from any of the usual Boy Scout tricks - sun position, moss growing on trees, etc. They spent a cold night along the trail after they got lost. Even though they knew their exact latitude and longitude, it didn't tell them which way to go to get home. Eventually they were found by rangers when someone reported them overdue.

GPS is a great tool, if you know how to use it.

Dave

P.S. Does anyone make a GPS receiver with a compass built in? D.

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Sun, 11 Aug 2002 09:52:41 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132067] Re: Dipole >?<
Message-ID: <3D566C29.101C0FED@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sort of reminds me of ear wax!

>
> You guys need to take a laxative so we can clean this \$#!^ up and move on
> !
>

Date: Sun, 11 Aug 2002 09:51:38 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132068] Re: Dipole >?<
Message-ID: <3D566BEA.40A523B5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Who is going off now? Rick, this is a technical hobby, no matter what you or anyone wants to believe. As a group we pride ourselves on doing more with less, but we seem to have countless numbers of members who cannot make two contacts in a row. WHY is this?

Some technical discussion might help them understand what they are up against and how to overcome it. Many of us have been there and done that before, and have survived because we knew a little about what was going on. If we are pesky it is because we don't want to see our hobby turned into CB.

Don't be afraid of a technical discussion. learn what it is about and join in. OF course, I think it would help if we all started from the same page with commonly agreed on terms!

73

>

> Careful now, not too much at once, the "PESKY TEXAN's" brain might go
> into melt down ! I'm just trying to get this dog crap out of every ones
> system so we can ALL move on to greener pastures. You perfectionists and
> self proclaimed experts just don't know when to shut up - GET THE PICTURE
> NOW ?
>

Date: Sun, 11 Aug 2002 07:54:03 -0600
From: "Rod NØRC" <rod@n0rc.us>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132069] Re: QRP - GPS redux
Message-ID: <015b01c2413e\$8e39ddd0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Garmin eTrex Summit, eTrex Vista. www.garmin.com

73, Rod NØRC

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, August 11, 2002 7:40 AM

Subject: Re: QRP - GPS redux

...

>

> Dave

>

> P.S. Does anyone make a GPS receiver with a compass built in? D.

>

>

> -----

> "You can fool some of the people all of the time. That's enough to
make a

> living." - Lance Burton

> -----

> Dave Hinerman

> WD8CIV@att.net

>

>

Date: Sun, 11 Aug 2002 08:57:51 -0700

From: "Gary & Jean Hanson" <hansongr@uts.cc.utexas.edu>

To: <qrp-1@lehigh.edu>

Subject: [132070] A pontoon vertical

Message-ID: <NGBBKJLE0LBNDJ0LODIFIEGFCAAA.hansongr@uts.cc.utexas.edu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Hi gang,

I don't fish. However, my wife and I promised her 89 year old father a =
day

on the lake fishing for panfish in Northern Minnesota. I also planned to
test out my new Elecraft K2 and I thought the pontoon boat would make a g=
ood

operating platform. He could fish and I could ham.

I rigged my Cabela Black Widow 16.5 foot Crappie pole with a quarter wave wire cut for 20 meters. I attached some hook-up wire to the tip of the pole and ran it to the bottom of the pole. Then, I lashed the pole to the side of the pontoon boat. I started to layout four ground radials, but they would be in the way of fishing so I looked for an alternative. I noticed the boat had an aluminum frame railing that connected to the bottom floats. Hmmm, I wondered, "Could I use the pontoon boat as my ground plane?" I attached one side of my 300 ohm twinlead to the vertical wire and the other side to the aluminum frame of the pontoon boat. I used my Super-Tee antenna tuner with the K2. By the time we were 100 feet out in the lake I was hearing 20 meter signals pounding in. Somewhere around 250 feet, I heard K4PTU, Pete, calling CQ from near Charleston, SC. I did a quick check on loading the antenna and sure enough, it loaded with no problem. I answered his CQ and he came back to me on my first call. I was elated with the 549 signal report.

In the middle of my second exchange, my father-in-law's bobber disappeared under the water. He got so excited he gave a tremendous heave, hooked the sunfish and it came flying over the railing into the boat, landed on top of my antenna connections, and slammed into my gel cell battery on the floor of the boat, flopped back into the antenna connections and skittered back into the water. When Pete came back to me, he commented that my signal had suddenly shifted about 300 Hz. How do you explain a sudden increase in SWR caused by a wet fish tail shorting out the antenna connection? Or was it the sudden voltage drop across the battery? Or maybe my hand just hit the tuning knob as I was trying to re-direct the fish away from my shiny new K2.

Who knows? Pete and I continued our QSO for nearly 30 minutes before signing off. My keying was erratic as an occasional wave would rock the boat, but overall, my fish pole vertical and pontoon ground plane worked great. I can't wait until we go fishing for northern pike.

Gary, KJ5VW/Ø/QRP/mm

Date: Sun, 11 Aug 2002 10:11:17 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132071] Re: Dipole >?<
Message-ID: <3D563845.12833.4793E15@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 11 Aug 2002 at 9:21, Rick McKee wrote:

> You guys need to take a laxative so we can clean this \$#!^ up and move on
> !
>
> KC8AON

Heavens NO! Rick,

We would not want to flush you that quickly!

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _ / _ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 11 Aug 2002 10:23:11 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132072] Re: QRP - GPS redux
Message-ID: <012001c24142\$a1ccdd80\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "David Hinerman" <WD8CIV@worldnet.att.net>
Subject: Re: QRP - GPS redux

> At 01:04 PM 8/11/2002 +0100, you wrote:
> >It's a great feeling to know that as long as you have the right maps
loaded,
> >you can't easily get lost with a GPS like this.

> but without basic navigation skills a GPS receiver isn't much use.

I don't believe this for one minute. Sure, with just a GPS you need a fair bit of common sense. But with a laptop or Palm connected GPS, and as Tony says, the right maps loaded, it would take a total idiot to get lost. It only takes a few feet for the GPS to tell you which way you are going, and if know you're headed east, it doesn't take a rocket scientist to know which way is north.

Of course, I suppose there are people who can't read maps, so maybe that counts as basic navigation skills. Maybe I'm a little intolerant of the terminally stupid.

A few years ago my daughter wanted to go to an amusement park a few hundred miles away with her boyfriend. He couldn't imagine how they could get there since they hadn't been there before and didn't know the way. She told him it wasn't a big problem, they had maps, but he couldn't picture how a piece of paper was going to help the get somewhere they hadn't been before. Well, they got there and had a good time, and thankfully, she dumped the idiot.

By the way, I have the DeLorme Earthmate which is a little thing but not much count for hiking since it needs a laptop attached (tho they do have a Palm interface). But this is the greatest thing since sliced bread for traveling across country. If you map your course before you leave when you can connect to the Internet, it will tell you where the construction is and if there are any festivals or events along the way. Get hungry and it will tell you where the nearest Chinese restaurant is. For shorter trips I generally just print the maps but if I'm going to be away a while I take the GPS and laptop because I never know when the urge for pizza will strike.

Besides the software that came with it, I have the Topo USA which has topo maps of the entire country. This is great stuff for figuring out where to operate from, and it's just plain fun. In addition to the normal contour lines you can get a shaded relief map or even see it in 3D. You can also map out your course and see the profile, which would be great for hiking, tho I would do it ahead of time since the thing is pretty CPU hungry and I wouldn't want to lug the laptop.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 11 Aug 2002 10:34:18 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: rod@n0rc.us, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132073] Re: QRP - GPS redux
Message-ID: <4.1.20020811102835.00953340@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Well I use the Garmin 12 Map and for the most part am happy with it. There are times in heavy tree cover where Satellite lockup is problematic, even with the external roof mounted antenna. I like it for it's built in mapping, ease of interconnect to my laptop and integration with Topo Quads and real time tracking between it's built in map and the map set on the laptop. If I were a hiker I think I would opt for one of the newer E-trex series of Garmin's as Rod notes below. The Garmin site has a neat chart comparing the capabilities of all the units in the series. They are smaller, lighter and have slightly greater accuracy from what I understand. though with average EPE's of 13-20 feet the 12 MAP is good enough for me!

Just my humble opinions.

73's
Dave
WA4EMR
Sterling Heights, MI

At 07:54 AM 8/11/02 -0600, Rod N0RC wrote:

>Garmin eTrex Summit, eTrex Vista. www.garmin.com

>

>73, Rod N0RC

>

>----- Original Message -----

>From: "David Hinerman" <WD8CIV@worldnet.att.net>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Sent: Sunday, August 11, 2002 7:40 AM

>Subject: Re: QRP - GPS redux

>

>

>...

>>

>> Dave

>>

>> P.S. Does anyone make a GPS receiver with a compass built in? D.

>>
>>
>> -----
>> "You can fool some of the people all of the time. That's enough to
>make a
>> living." - Lance Burton
>> -----
>> Dave Hinerman
>> WD8CIV@att.net
>>
>>
>
>

Date: Sun, 11 Aug 2002 14:38:07 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: leon_heller@hotmail.com, qrp-1@lehigh.edu
Subject: [132074] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <F147E5d7pMXFhBHAZTy00006d20@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Leon Heller" <leon_heller@hotmail.com>
>Reply-To: leon_heller@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Clisby Vertical Milling Machine and Lathes
>Date: Sun, 11 Aug 2002 13:20:00 +0000
>
>
>
>
>>From: "Brice D. Hornback" <bdh@cyberbound.net>
>>Reply-To: bdh@cyberbound.net
>>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>>Subject: Re: Clisby Vertical Milling Machine and Lathes
>>Date: Sun, 11 Aug 2002 07:21:41 -0500
>>
>>Does anyone here have any advice for someone starting out that wants to
>>make
>>straight keys and paddles using a small milling machine?
>
>I'd be inclined to copy an existing design first. Measure all the

>components, make your own engineering drawings, and make it from the
>drawings.

Further to the above, don't bother with ball-races. There isn't any point in using them, from an engineering point of view, as the parts aren't rotating continuously. I know that keys like the Kent use them, and they look impressive, but they are a waste of money.

A good key to copy would be the one used by the British Army in WWII. I've got one somewhere. It was obviously very cheap to make, and looks very robust. Not very pretty, though.

If you do copy an existing design, you could try each component in the original, as you make it.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.

<http://www.hotmail.com>

Date: Sun, 11 Aug 2002 07:45:01 -0700

From: Bruce Grubbs <mail@brucegrubbs.com>

To: rod@n0rc.us,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [132075] Re: QRP - GPS redux

Message-ID: <E17dtwm-0004wR-00@hawk.mail.pas.earthlink.net>

Content-Type: text/plain;

charset="iso-8859-1"

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

On Sunday 11 August 2002 06:54 am, Rod N0RC wrote:

> Garmin eTrex Summit, eTrex Vista. www.garmin.com

>

Remember, if you break your combo GPS/electronic compass or run out of batteries, you've lost all nav capability. I still prefer to carry a good mechanical compass (Silva, Brunton, etc), and paper topo maps, as well as the

GPS.

73
Bruce
N7CEE

Date: Sun, 11 Aug 2002 08:50:00 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <wb8rcr@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132076] Re: QRP - GPS redux
Message-ID: <001b01c24146\$5eb03e80\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With all due respect John,

----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 8:23 AM
Subject: Re: QRP - GPS redux

> ----- Original Message -----
> From: "David Hinerman" <WD8CIV@worldnet.att.net>
> Subject: Re: QRP - GPS redux
>
>
> > At 01:04 PM 8/11/2002 +0100, you wrote:
> > >It's a great feeling to know that as long as you have the right
maps
> loaded,
> > >you can't easily get lost with a GPS like this.
>
> > but without basic navigation skills a GPS receiver isn't much use.
>
> I don't believe this for one minute. Sure, with just a GPS you need a
fair
> bit of common sense. But with a laptop or Palm connected GPS, and as
Tony
> says, the right maps loaded, it would take a total idiot to get lost.
It

You do need to get out more and interact with the general population.
I'm not surprised.

73, Rod N0RC

Date: Sun, 11 Aug 2002 08:55:15 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <mail@brucegrubbs.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132077] Re: QRP - GPS redux
Message-ID: <003101c24147\$1a71e330\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce, et.al.

I do not imply that the GPS units noted are a substitute for compass &
map (and the skills to use them). I was only answering the question
asked by David.

73, Rod N0RC

----- Original Message -----
From: "Bruce Grubbs" <mail@brucegrubbs.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, August 11, 2002 8:45 AM
Subject: Re: QRP - GPS redux

> On Sunday 11 August 2002 06:54 am, Rod N0RC wrote:
> > Garmin eTrex Summit, eTrex Vista. www.garmin.com
> >
>
> Remember, if you break your combo GPS/electronic compass or run out of
> batteries, you've lost all nav capability. I still prefer to carry a
good
> mechanical compass (Silva, Brunton, etc), and paper topo maps, as well
as the
> GPS.
>

> 73
> Bruce
> N7CEE
>

Date: Sun, 11 Aug 2002 10:11:40 -0500
From: "George, W5YR" <w5yr@att.net>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132078] Re: Dipole >?<
Message-ID: <3D567EAC.CDDEB8B6@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And the answers are . . .?

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Rick McKee wrote:

>
> Careful now, not too much at once, the "PESKY TEXAN's" brain might go
> into melt down ! I'm just trying to get this dog crap out of every ones
> system so we can ALL move on to greener pastures. You perfectionists and
> self proclaimed experts just don't know when to shut up - GET THE PICTURE
> NOW ?
>

Date: Sun, 11 Aug 2002 11:11:14 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: mail@brucegrubbs.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132079] Re: QRP - GPS redux
Message-ID: <4.1.20020811110852.0096d350@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

I have a set of maps and compass in my Blazer with me at ALL times, just in case as Bruce suggests. Electronics fail, batteries die etc. but the Earth's Magnetic field is pretty much stable...been a long time since I was a Boy Scout but Be Prepared is darn good advice no matter your age or experience.

73's
Dave
WA4EMR

At 07:45 AM 8/11/02 -0700, Bruce Grubbs wrote:

>On Sunday 11 August 2002 06:54 am, Rod N0RC wrote:

>> Garmin eTrex Summit, eTrex Vista. www.garmin.com

>>

>

>Remember, if you break your combo GPS/electronic compass or run out of
>batteries, you've lost all nav capability. I still prefer to carry a good
>mechanical compass (Silva, Brunton, etc), and paper topo maps, as well as the
>GPS.

>

>73

>Bruce

>N7CEE

Date: Sun, 11 Aug 2002 11:25:29 -0400

From: "Jason Hisson" <jhisson1@columbus.rr.com>

To: <qrp-1@lehigh.edu>

Subject: [132080] FOXX-3

Message-ID: <00c001c2414b\$5351af10\$6501a8c0@sirius>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi guys,

I have been gone from the list for a short while, did I miss anything ? <g>
Anyway... I just put together a FOXX-3 and I have noticed that when I follow
the testing instructions of the crystal oscillator, when I turn the Rx
Offset clockwise, the frequency goes down (instead of going up like the
testing instructions say). Being new to QRP and radio theory in general, it
seems like I am on the wrong side of the BFO? If any of you have experience
with the FOXX-3, please let me know if I did anything wrong or if this is a
common problem. I double checked my work and it seems fine.

BTW... I am having a blast putting things together. I have been buying stuff from Brice and I have put together a 4watt dummy load and high pass filter (which really works well!). My family and folks at church are saving up their Altoids tins for me.

Thanks!

72,
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
K2# 1270
FISTS #6338
FPQRP #443
ARLHS #661

Date: Sun, 11 Aug 2002 11:26:24 -0400
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [132081] Rock Mite
Message-ID: <00ca01c2414b\$7413c300\$6501a8c0@sirius>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

Could you point me to where the Rock Mite information is on the web? I did a search on google and did not get any results. Also, I remember a while back a thread on getting a punch for Altoid tins to use for BNC connectors. Where can one get one if available?

Thanks

72
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
K2# 1270
FISTS #6338
FPQRP #443
ARLHS #661

Date: Sun, 11 Aug 2002 11:38:33 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [132082] Milliwatt Hints WAS , WAC and DXCC
Message-ID: <000101c2414d\$73a3d840\$25624342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George--

Many, many congratulations on completing WAS in the milliwatt range. So now, inquiring minds want to know: how did you approach operating? Any techniques/strategies that paid off big-time??

I've been playing at WAS with one of Dave Benson's White Mtn 20m ssb rigs: great rig, and at last count about 30 states to go. One thing I'm planning is a NVIS antenna for a week or so, trying to catch the close-in states.

Again, many kudos on a job well-done!!

73
Ken KG4FGC

To Ken and All !!!

Sorry about taking so long to answer Ken ..busy time of the year

Most of my success has been with working CONTESTS !!!!!!!

I've done my WAS , WAC and DXCC mostly by contest QSOs ... When stations set up for contests they fine tune everything , set up the best antennas and have the best ops which means I have the greatest chance going of getting thru with under 1 watt !!! Even with crowded condx during the test most stations have the latest rigs with the very latest in DSP filtering which can bring my weak signal out of the QRM and even bring it up out of the noise !!!!! Often too if I find I cant get thru I sometimes set my self either slightly up or down from the stations freq and often they will hear me due to the slightly different tone of my CW signal.

DXpeditions are a bit tougher but still accessible

D68C is the BEST example !!! They went with intentions of working EVERYBODY !!!!! I got them during a contest running 500 mw. I use a HAL keyboard set usually set at 30 to 35 wpm so reading my tiny signal is easier. If you use

straight key or paddles the best bet is to send the cleanest code you can at a consistent speed.

Pileups are broken by listening to the DX op and finding his patternis he taking the first call or is he waiting for the mad group to quiet down and pick up a tailender ?????? The old saying.....
.....

LISTEN , LISTEN THEN LISTEN SOME MORE.....

really does work !!!!!

Anyhow milliwatting DOES work and is not really so hard !!!
If I can do it then anyone can !!!!! Even with the simplest antennas and rigs it CAN be done !!!!!

71s

George Osier , N2JNZ / QRPp

Date: Sun, 11 Aug 2002 10:35:43 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132083] RE: Appalachian Trail Activation Sunday Morning, Aug. 11
Message-ID: <DBEPKBJH00EAHCKKIHPFMEGGDHAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang:

Just worked Carter, N3A0 on the AT in VA.

He has good 559 signal here in SW Missouri on 7042.8

72, Dave

David Bixler W0CH
Seneca, MO

Four State QRP Group: <http://w0ch.com/fsqrp>
W0CH Main Web Site: <http://w0ch.com>
W0CH Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Ron Polityka

Sent: Saturday, August 10, 2002 16:21

To: Low Power Amateur Radio Discussion

Subject: Appalachian Trail Activation Sunday Morning, Aug. 11

Sunday morning, August 11th, I will be calling "CQ AT" from the Appalachian Trail in southwestern Virginia.

I will be near The Narrows in Giles County, on Peters Mountain near Turnhole Knob overlooking the New River.

The operating hours will be from approximately 10:30 to 12:30 EDST.

The frequency will be 7.043 +, as I generally tune up from there looking for a clear frequency.

I hope you will give me a short QSO, especially if you are working for credit toward your Appalachian Trail Award.

I will try to work as many stations as I can. I will try not to rattle on--my usual tendency! Help me from myself!

I will be running my Elecraft K2 (with internal battery) at 5 watts into an inverted Vee up in the overhead trees.

For information on the various Appalachian Trail awards, see www.n3epa.org.

I hope to hear you!

73,

Carter Craigie N3AO/4
Visiting in Virginia

Date: Sun, 11 Aug 2002 10:39:36 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'kc8aon@juno.com'" <kc8aon@juno.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132084] RE: Dipole >?<
Message-ID: <01C24123.63B285A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hey Rick--

I've long since lost interest in this thread myself, but now I find myself very interested in a new topic. That being, who put you in charge of telling participants when they must end a discussion?

I'll let you in on some little known facts that might save you quite a few points on your blood pressure. It helps me a great deal:

- 1) You are not required to read every post.
- 2) You are not required to participate in every discussion.

72 & try to stay calm--

Nick, WA5BDU

-----Original Message-----

From: Rick McKee [SMTP:kc8aon@juno.com]

Careful now, not too much at once, the "PESKY TEXAN's" brain might go into melt down ! I'm just trying to get this dog crap out of every ones system so we can ALL move on to greener pastures. You perfectionists and self proclaimed experts just don't know when to shut up - GET THE PICTURE NOW ?

Rick McKee, KC8AON

Date: Sun, 11 Aug 2002 10:39:42 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: jhisson1@columbus.rr.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [132085] Re: Rock Mite
Message-ID: <003c01c2414d\$50222f20\$6501a8c0@cst1tn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

There are links on the homepage to the Rock-Mite pages:

QRPp International Radio Club
<http://www.QRPp-I.com>

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 10:26 AM
Subject: Rock Mite

> Hi gang,
>
> Could you point me to where the Rock Mite information is on the web? I
did
> a search on google and did not get any results. Also, I remember a while
> back a thread on getting a punch for Altoid tins to use for BNC
connectors.
> Where can one get one if available?
>
> Thanks
>
> 72
> Jason Hissong - N8XE
> <http://www.qsl.net/n8xe>
> K2# 1270
> FISTS #6338
> FPQRP #443
> ARLHS #661
>

Date: Sun, 11 Aug 2002 11:47:24 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <rod@n0rc.us>
Subject: [132086] Re: QRP - GPS redux

Message-ID: <002501c2414e\$67048840\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.us>
Subject: Re: QRP - GPS redux

> With all due respect John,
>
> You do need to get out more and interact with the general population.

You could be right, Rod. Daily I interact with folks from all over the world, but they are all professionals. The other day I was looking at some demographic data from the last census and was surprised to see that the number of households in the county with under \$50K income had shrunk to zero, and most of the county is pretty rural. So I probably have a pretty skewed set of data to work from.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 11 Aug 2002 10:52:05 -0500
From: Jeff Davis <ke9v@att.net>
To: qrp@netins.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132087] RE: Appalachian Trail Activation Sunday Morning, Aug. 11
Message-ID: <5.1.1.6.0.20020811105112.035bd808@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yep, he is working out of a mini-pileup now! :-)

7042.9 and around.

72, Jeff

At 10:35 AM 8/11/2002 -0500, David Bixler wrote:
>Hi gang:
>
>Just worked Carter, N3AO on the AT in VA.

>

>He has good 559 signal here in SW Missouri on 7042.8

Date: Sun, 11 Aug 2002 09:58:41 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [132088] Very Good Main Antenna
Message-ID: <Pine.LNX.4.44.0208110941110.2478-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If I was new to Ham Radio and wanted to put up an all band antenna that would work well on 80, 40, 30, 20, 17, 15, 12, and 10 meters but had not a lot of money and had to make the antenna appear OK to a wife I would put up an 88 foot dipole feed in the middle with 450 ohm windowed ribbon.

I would get the dipole as high as the wife allows. The length of the feed line is very critical. It MUST be at least as long as it needs to be to reach your radio or a 1:1 balun.

If your radio has a automatic antenna tuner, then you need to get the 1:1 balun and enough RG-58 coax to get from the balun to the radio.

If you don't have an automatic antenna tuner you can buy a manual one. They are pretty cheap at Hamfests and even new from MFJ you can get a good one for about \$100.00. They have a built in 4:1 balun which will work fine with this tuner. Or you can put a balun outside to hook the 450 ohm line to and run coax to the manual tuner.

With the manual tuner take an hour and find the setting that gives a 1:1 SWR to your radio on every frequency you use like 7.040 and 14.06 and like that. Now type up the settings and print them out and tape the settings on the tuner.

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 11:03:28 -0500
From: Monty N5FC <n5fc@io.com>
To: AQR@egroups.com, qrp-l@lehigh.edu
Cc: stammham@fast.net
Subject: [132089] Plug for WB3EVL Key Covers
Message-ID: <5.1.0.14.1.20020811105125.01fabec0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey All!

Larry Stamm, WB3EVL, has a small, internet based business doing key covers and engraving ham signs, and I want to send a few kudos his way.

About a month ago, I asked him if he made a cover for the Vibroplex Code Warrior Jr (commercial version of the NORCAL paddle). He said no, he hadn't fitted that one yet. About a week later, he e-mailed me and said he had measured one locally, and would I like to order at \$18. Sure, I said and a few days later a cover arrived, and it was beautiful, clear acrylic, fit snugly, and had my call engraved on it. I was quite pleased. It was about half-an-inch taller than necessary for the low-profile paddle, and he offered to re-do it. This time I shipped the paddle so he had something to work with, and within a week I had a PERFECT cover. He took great care of my paddle, and insured the return trip. Don't have pictures to show yet, but it is first class, as some of the Austin QRP Club members can attest.

Anyway, those of you who own the Code Warrior Jr (or any other paddle, for that matter), consider visiting his site:

<http://www.qth.com/dustcovers/>

72,
monty

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Sun, 11 Aug 2002 12:04:21 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <tony@g4wif.fsnet.co.uk>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132090] Re: QRP - GPS redux

Message-ID: <005301c24150\$c54333a0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
> Over here I drive a Ford with the heated wire element in the front
> windscreen and that doesn't seem to affect the Legend either.
>
> Kind regards
> Tony - G4WIF

I don't believe the hinders GPS in any appreciable amount. It's the
windshields that have the metallic 'film' in them that forms a solid
barrier to RF.

Mike

Date: Sun, 11 Aug 2002 10:13:02 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [132091] OT Telephone Modems
Message-ID: <Pine.LNX.4.44.0208111001040.2478-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I wonder how many guys on this list are using an old Modem on
their internet system? I was talking to a young linux guru who asked me
what modem I am using. I looked and it's a good external US Robotics
28,800 FAX Modem.

Joel suggested that all who can are going DSL now and some good
56,000 modems are cheap on E-Bay. So I said I would look although I'm
not an E-Bay lover.

Saturday I got on E-Bay and asked after some errors for just
Modem and I got a huge list! I found a US Robotics 56,000 X2FAX modem
with a bid of \$24 on it and it was ending in 15 minutes. I decided to
try and get it and bid \$25.49 with just a minute to go. I won and got it
for this price and \$9.00 shipping. The same modem is for sale at Office
Max for \$98.00 new.

In general if your using an old modem you can do a lot better with a new one. I expect to go from about 20k bits/sec to 44k bits/sec since my phone line is not the best.

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 12:27:14 -0400
From: "Dean LaClair - Adk-Com" <nr2v@northnet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, w5yr@att.net
Subject: [132092] Pretty harsh words-(was Re: Dipole >?<)
Message-ID: <20020811162714.24678.qmail@mail2.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Some folks need to understand, you learn more by listening than by FLAP-JACKIN

Rick McKee writes:

> Careful now, not too much at once, the "PESKY TEXAN's" brain might go
> into melt down ! I'm just trying to get this dog crap out of every ones
> system so we can ALL move on to greener pastures. You perfectionists and
> self proclaimed experts just don't know when to shut up - GET THE PICTURE
> NOW ?
>
>
> Rick McKee, KC8AON
> Willow Wood, Ohio

> QRP - Do more with less !
>
> On Sat, 10 Aug 2002 21:10:37 -0500 "George, W5YR" <w5yr@att.net> writes:
>>What benefit(s) does resonance of the antenna confer?
>>
>>What *is* "resonance" of the antenna?
>>
>>How can you tell if your antenna is resonant?
>>
>>What is the penalty if an antenna is non-resonant? Can you quantify?
>>
>>How many broadcast stations do you know of that use "true 1/2-wave
>>resonant
>>antennas?"
>>
>>How short can an antenna be and still be within 0.5 dB of the field
>>strength of a full 1/2-wave dipole running the same input power in the
>>same
>>location?
>>
>>Exactly why does an 88 ft antenna *not* work well or properly or
>>whatever
>>on 20 meters?
>>
>>What does it fail to do that a "resonant dipole" would do better?
>>
>>Why does an 88 ft antenna 35 ft off the ground provide a predicted
>>broadside gain, per EZNEC, of 9.81 dBi on 20 meters?
>>
>>Why does a 33 ft dipole in the same location show a predicted gain of
>>about
>>7 dBi, again per EZNEC?
>>
>>In what ways is the dipole "better" than the 88 ft EDZ?
>>
>>I think you get the drift . . . I would like to know the answers to
>>these
>>questions so that I can better understand why my two crossed 20-meter
>>extended double zepps (88 ft) work so well yet would be so much better
>>if
>>they were 1/2-wave resonant dipoles with nearly 3 dB less gain.
>>
>>Oh, yeah, do you do any Fox Hunting? Ever hear any Pesky Texans?
>>
>>Please explain and justify your claims so that newbies on the list
>>will
>>understand your assertions and keep them in perspective.
>>

>>73/72/oo, George W5YR - the Yellow Rose of Texas
>>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
>>Amateur Radio W5YR, in the 56th year and it just keeps getting better!
>>QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
>>Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
>>
>>
>>Rick McKee wrote:
>>>
>>> Who's talking about an optimized antenna ? All I've heard is 88'
>>center
>>> fed doublets and 44 end fed wires and so forth, which are non
>>resonant in
>>> any ham band ! Hardly what I'd call optimized, but I would call it
>>"MAKE
>>> DO" at best. If you're gonna optimize your antenna, build a true
>>1/2
>>> wave resonant dipole and get it up 1/4 to 1/2 wave in the air, If
>>you
>>> can't do that, then put up what you can and be happy with whatever
>>> contacts you can make !
>
>
>

> GET INTERNET ACCESS FROM JUNO!
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> <http://dl.www.juno.com/get/web/>.

Date: Sun, 11 Aug 2002 12:34:48 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132093] Re: Very Good Main Antenna: 88' doublet
Message-ID: <000d01c24155\$02882e60\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I fully agree with the 88' doublet, fed with 450 ohm 'window line'. Even if you don't have a full 88' stretch, you can let the ends droop down in equal amounts to get the benefits of your "Extended Double Zepp". A tuner is required, of course, but the Z-Match and variants are very efficient at minimal cost. Check out W4RNL web pages on the subject. You'll be glad you did.

72
AA1MY

Date: Sun, 11 Aug 2002 10:55:37 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <jhisson1@columbus.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132094] Re: Rock Mite
Message-ID: <003b01c24157\$eb4e69a0\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jason,

The Rock-Mite is a new offering from Dave Benson, Small Wonder Labs.
www.smallwonderlabs.com Click on the home page link for full details.

Also check out "the Rock-Mite files" a Rock-Mite resource page I am
maintaining: <http://www.radioactivehams.com/~n0rc/rm/> At the very bottom
of my page you will find links to others websites with Rock-Mite
information.

73, Rod N0RC

----- Original Message -----

From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 9:26 AM
Subject: Rock Mite

> Hi gang,
>
> Could you point me to where the Rock Mite information is on the web?
I did
> a search on google and did not get any results. Also, I remember a
while
> back a thread on getting a punch for Altoid tins to use for BNC
connectors.
> Where can one get one if available?
>
> Thanks

>
> 72
> Jason Hissong - N8XE
> <http://www.qsl.net/n8xe>
> K2# 1270
> FISTS #6338
> FPQRP #443
> ARLHS #661
>
>

Date: Sun, 11 Aug 2002 13:06:51 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132095] Re: Very Good Main Antenna
Message-ID: <3D56616B.17797.51A06CE@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 11 Aug 2002 at 9:58, Karl F. Larsen wrote:

>
> If I was new to Ham Radio and wanted to put up an all band
> antenna that would work well on 80, 40, 30, 20, 17, 15, 12, and 10
> meters but had not a lot of money and had to make the antenna appear OK
> to a wife I would put up an 88 foot dipole feed in the middle with 450
> ohm windowed ribbon.
>
> I would get the dipole as high as the wife allows. The length of
> the feed line is very critical. It MUST be at least as long as it needs
> to be to reach your radio or a 1:1 balun.
>
> If your radio has a automatic antenna tuner, then you need to
> get the 1:1 balun and enough RG-58 coax to get from the balun to the
> radio.
>
> If you don't have an automatic antenna tuner you can buy a
> manual one. They are pretty cheap at Hamfests and even new from MFJ you
> can get a good one for about \$100.00. They have a built in 4:1 balun
> which will work fine with this tuner. Or you can put a balun outside to
> hook the 450 ohm line to and run coax to the manual tuner.

>
> With the manual tuner take an hour and find the setting that
> gives a 1:1 SWR to your radio on every frequency you use like 7.040 and
> 14.06 and like that. Now type up the settings and print them out and
> tape the settings on the tuner.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, (505) 524-3303 -
>

For once, I agree with Karl. An excellent 1st, or if necessary, only antenna.

(now watching for an August freeze)

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 11 Aug 2002 13:42:02 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132096] Re: Very Good Main Antenna
Message-ID: <03c801c2415e\$671d4d20\$0300a8c0@rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> With the manual tuner take an hour and find the setting that
> gives a 1:1 SWR to your radio on every frequency you use
> like 7.040 and 14.06 and like that. Now type up the settings
> and print them out and tape the settings on the tuner.

That is a very time-saving suggestion which I have found worth
its weight in GOLD !

Dick K2JQ

Date: Sun, 11 Aug 2002 10:58:40 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132097] Re: OT Telephone Modems
Message-ID: <002301c24160\$ba4bf080\$7ce9b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl,

If you are going to look for a used modem, look for a US Robotics Courier V. Everything. It's the best modem ever made in my opinion. They were around \$250.00 new when I bought mine new. It does 56 Kbps protocol just fine with an average 48K connection on this phone line. I'm in a rental, and don't know how long I may be here, so I sure don't need the expense of DSL. Dial up works just fine for me at home. I have a T1 line at work...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, August 11, 2002 9:13 AM
Subject: OT Telephone Modems

>
> I wonder how many guys on this list are using an old Modem on
> their internet system? I was talking to a young linux guru who asked
me
> what modem I am using. I looked and it's a good external US Robatics
> 28,800 FAX Modem.
>
> Joel suggested that all who can are going DSL now and some good
> 56,000 modems are cheap on E-Bay. So I said I would look although I'm
> not an E-Bay lover.
>
> Saturday I got on E-Bay and asked after some errors for just
> Modem and I got a huge list! I found a US Robatics 56,000 X2FAX modem
> with a bid of \$24 on it and it was ending in 15 minutes. I decided to
> try and get it and bid \$25.49 with just a minute to go. I won and got

it
> for this price and \$9.00 shipping. The same modem is for sale at
Office
> Max for \$98.00 new.
>
> In general if your using an old modem you can do a lot better
> with a new one. I expect to go from about 20k bits/sec to 44k bits/sec
> since my phone line is not the best.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, (505) 524-3303 -
>

Date: Sun, 11 Aug 2002 19:10:05 +0100
From: Goran Hosinsky <hosinsky@jet.es>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [132098] CW on the Palm PDA
Message-ID: <3D56A87D.3070804@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi,

I like to listen to cw when driving to work to train my head copy. I used to get the news but after the demise of CW in the costal services I cannot find suitable cw transmissions.

I have now written a program for the Handspring / Palm PDA which sends a text file in cw with selectable speed and tone. The text has to be in a memo but the program chains memos so there is no practical limit to the length of the text. I have also made a PC program which splits up a big text file in suitable memo sized chunks.

The code sounds somewhat staccato at above 15 wpm but I do find it quite enjoyable at 30 wpm - somebody with better cw head than me will have to say where the top speed of the program is.

You can find books in text file format for free download at the Gutenberg project <http://www.gutenberg.org> or you can get text of your choice from web pages.

The program is free to download from <http://www.hierbabuena.com/ea8yu>

Enjoy!
Goran ea8yu

Date: Sun, 11 Aug 2002 11:27:18 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [132099] Re: What's up with the repeats???
Message-ID: <00d401c24164\$b9c92f20\$7ce9b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all of the replies. Seems that about 50% of us are getting
dups from the list. I noticed that on Friday night/Saturday Morning
when I was up late that I seemed to be getting messages very slowly (3
at a time) from QRP-1, and hours behind the time they were sent. Maybe
the mail server is busy doing something else and it's getting lost with
the mail?

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----
From: Trevor Jacobs <kg6cyn@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, August 11, 2002 1:05 AM
Subject: What's up with the repeats???

> Am I the only person getting e-mails from this list 2 or 3 times
> over???
> Has the server gone nuts? Just wondering here in Burbank...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
>
>

Date: Sun, 11 Aug 2002 11:55:01 -0700
From: Bob Welch <p326@earthlink.net>
To: kg6cyn@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132100] Re: What's up with the repeats???
Message-ID: <3D56B305.A53F652@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No I have been getting them for two days. Like your web page nice work
Bob,W8MCJ

Trevor Jacobs wrote:

> Am I the only person getting e-mails from this list 2 or 3 times over???
> Has the server gone nuts? Just wondering here in Burbank...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>

Date: Sun, 11 Aug 2002 14:59:23 -0400
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@lehigh.edu
Subject: [132101] QRP Afield
Message-ID: <3D567BCB.19218.58116A8@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Only about 6 weeks until QRP Afield. (One of my 2 favorite "field" contests). Just curious about any unusual locations planned? I had thought about going to Delaware again, but in over 100 QSOs I had in last years QRP Afield, and this spring's QRPTTF, I only had a total of 4 QSL requests, so I guess Delaware is not needed. May go operate from the boat again, as the antenna mounted over water seems to get out like gangbusters.

--

/ \ / \ / \ / \ / \ John L. Sielke

(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _/ _/ _/ _/ _/ QRPARI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 11 Aug 2002 19:59:54 +0100
From: "Hubert Smits" <hubert.smits@btinternet.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [132102] ROCK MITE - more UK or European builders?
Message-ID: <067d01c24169\$56af8470\$0100000a@mynote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello all,

Are there any more UK or European RockMite builders on the list? We could try to set up a sched like the US colleagues.

72 de Hubert - MM0GMM

Date: Sun, 11 Aug 2002 15:16:35 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: "Richard Brummer, K2JQ" <k2jq@rcn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132103] Re: Very Good Main Antenna
Message-ID: <Pine.LNX.4.33.0208111510350.11379-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 11 Aug 2002, Richard Brummer, K2JQ wrote:

> > With the manual tuner take an hour and find the setting that
>
> That is a very time-saving suggestion which I have found worth
> its weight in GOLD !

I have to agree with this. I've got three antennas on three separate tuners, and I fold a QSL card (so it'll stand up) with the settings for each band on each tuner. As for the 88' with ladder line, I've got 100' dipole at 25', fed with 100' of 450 line, and it almost always does better than the 5BTV or the 450' loop at 45'. You guys almost have me convinced I should chop six feet off each end :)

The vertical is occasionally better for DX (lower angle, but noisy), and the loop is quieter, but when I'm fox hunting, or rock-mite sniping, I invariably end up on the long low dipole.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sun, 11 Aug 2002 15:23:26 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132104] Re: Very Good Main Antenna
Message-ID: <002c01c2416c\$965dd380\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I did something similar before I got my ATU. I had cards that were the 'band plan' for my license class, and I left one with each antenna. The connection that is! For example, one had a header that said "dipole" on the top line. Then one that said "Long Wire". When I was experimenting with using a balun or not, I also put that down.

Then on this card, right next to each 'band', I wrote down the settings for my tuner. Wasn't perfect, but it gave me a pretty close starting point for each time I 'hooked up' or changed bands.

Mike

Date: Sun, 11 Aug 2002 14:19:14 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <kg6cyn@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132105] Re: OT Telephone Modems
Message-ID: <Pine.LNX.4.44.0208111417170.3181-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trev, it was the Courier V.xxxx I was looking for but none listed last Saturday morning...

On Sun, 11 Aug 2002, Trevor Jacobs wrote:

> Karl,
>
> If you are going to look for a used modem, look for a US Robotics
> Courier V. Everything. It's the best modem ever made in my opinion. They
> were around \$250.00 new when I bought mine new. It does 56 Kbps protocol
> just fine with an average 48K connection on this phone line. I'm in a

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 14:30:02 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chris Cartwright <ccart@phideaux.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132106] Re: Very Good Main Antenna
Message-ID: <Pine.LNX.4.44.0208111425000.3181-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 11 Aug 2002, Chris Cartwright wrote:

> On Sun, 11 Aug 2002, Richard Brummer, K2JQ wrote:
>
> > With the manual tuner take an hour and find the setting that
> >
> > That is a very time-saving suggestion which I have found worth
> > its weight in GOLD !
>
> I have to agree with this. I've got three antennas on three separate
> tuners, and I fold a QSL card (so it'll stand up) with the settings for
> each band on each tuner. As for the 88' with ladder line, I've got 100'
> dipole at 25', fed with 100' of 450 line, and it almost always does better
> than the 5BTW or the 450' loop at 45'. You guys almost have me convinced
> I should chop six feet off each end :)

Hi Chris, there is NOTHING real magic about 88 feet except that

88 feet is the length for a Double Extended Zepp on 20 meters and it gives some gain off each end of your antenna. Also, it seems to keep other bands radiation pattern pretty circular so you don't have many holes in the pattern.

At 100 feet your so close to 88 that your getting almost all there is...:-)

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 14:35:48 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: ss lyon <sslyon@megalink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132107] Re: Very Good Main Antenna: 88' doublet
Message-ID: <Pine.LNX.4.44.0208111431570.3181-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi SS, your exactly right. If your short of space droop it and it will still work fine. I don't have the Z match and need to get the kit. As I recall the kit is like \$50.00 and worth it. I do have the Dan's Small Parts Tee match kit at \$14.95 and added a 1:1 balun and it works real good on this antenna too.

On Sun, 11 Aug 2002, ss lyon wrote:

> I fully agree with the 88' doublet, fed with 450 ohm 'window line'. Even if you
> don't have a full 88' stretch, you can let the ends droop down in equal amounts
> to get the benefits of your "Extended Double Zepp". A tuner is required, of
> course, but the Z-Match and variants are very efficient at minimal cost. Check
> out W4RNL web pages on the subject. You'll be glad you did.

> 72

> AA1MY

>

>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 14:38:52 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <pbonucci@slonet.org>
Subject: [132108] Re: How do I set up an inexpensive HF station
Message-ID: <B97C277B.1B261%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Peter - It is possible to set up a good working ham station for \$250. I hope that even if your son loses interest you will keep it. My dad got his license shortly after I did, about 35 years ago, and we still keep in touch by ham radio twice a week.

If you can find a local ham to serve as an equipment Elmer, you will be miles ahead. Join a local club and make inquiries about available used gear. Some may have a club station that you can operate to get the feel of being on the air. Many clubs have newsletters that list used equipment for sale. Many also have "swap nets on the local repeater. Don't know where you are located, but there may be someone from the list who lives nearby that could help.

Try to buy a rig from some one you know. If you have problems, you are more likely to resolve them amicably. Preferably buy from someone that will let you operate the gear first. This serves two purposes, one you can be sure that it works, and two you can see how it is hooked up into a working station.

The handbook has a pretty good chapter on setting up a station. Read it.

For used rigs in your price range, I would suggest;

Ten-Tec 540 and 544 (Triton, analog and digital version)

Ten Tec Omni A, D, B, and C

These are old, 20 years plus, rigs, but work well and Ten Tec still services them. Only the Omni B and C models have the WARC bands. Ten Tec occasionally sells used rigs on their web site, you might check there. Their prices will be high, but they you can be assured that they will work.

Icom 730

This is a nice simple ham bands only transceiver. Its big cousin, the 735 is also nice, but may be a bit out of your price range. The 740 and 745 are also good rigs, but they too are a bit out of your price range. The 720 is OK, but there are better receivers in your price range.

Kenwood TS-520, 530, and 820.

These were the stock and trade of commercial ham gear in the 70s. They have good receivers. They use tube finals and drivers. Nothing wrong with that, but it does make them a bit harder to tune. The 520 and 820 cover only the old ham bands, the 830 also covers the WARC bands.

These are my suggestions, others have other opinions.

Most rigs come with a microphone, but almost never with a key. Figure \$20 or so for a key.

You can assemble a dipole with parallel elements pretty cheap. Buy good quality feedline.

If you get a rig that operates on 12 V, get a deep cycle marine battery at Wal Mart, Costco or Sears. Charge it with an automotive battery charger. This is the setup I use, and will meet most of your needs.

I hope that this helps. Let us know when you get licensed and on the air. -
Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 11 Aug 2002 14:41:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [132109] Smith Chart for Dummy's
Message-ID: <Pine.LNX.4.44.0208111439190.3181-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My friend has asked Jeff for a copy of the paper and should get it before college starts next Wednesday. My friend is a Dean and they get busy soon.

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Sun, 11 Aug 2002 15:46:22 -0500
From: "Max Moon" <maxmoon@umn.edu>
To: <qrp-l@lehigh.edu>
Subject: [132110] Re: Adding a Dan's RIT to SW30+
Message-ID: <003301c24178\$28008980\$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QRP-lmers & other gentlemen,

Thanks for the wonderful responses to my request for a bit of mentoring.
>From your comments I'd say that my problem is limited to, ah, maybe, oh,
probably no more than 3 or 4 of the 5 interconnections I used....

I'm really grateful to all of you.

72s,
Max, k0max

Date: Sun, 11 Aug 2002 14:54:59 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [132111] Re: QRP - GPS redux
Message-ID: <B97C2B42.1B263%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

When I go hiking I try to make sure that everyone in the party has a map with the route marked on it and a compass. I try to make sure that every one knows how to align the map with the compass and triangulate from visible objects to determine where you are, read topo lines, and so forth, but I am usually less successful at that. :^) This is math at work, and those who paid attention in trig class get it and those that don't, - well it can be a struggle. A good class with outdoor exercises is recommended. These are

often given by local college adult education courses and local outdoor retailers like REI.

As to basic navigational skills - I learned a new one about 10 years ago. Turn around often and look where you have been. That way you will know what it is supposed to look like on the way back. It helps, it really does.

I don't have a GPS, but I will probably get one after the shock to the pocket book of sending another kid off to college wears off. It seems like a powerful tool to add to the map and compass, not supplant it. - Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 11 Aug 2002 17:03:22 -0400
From: Pete Burbank <plburbank@kih.net>
To: <bcotter@pop.uky.edu>, <k0gjx@email.msn.com>
Cc: qrp-1@lehigh.edu
Subject: [132112] Stuff from the Mil tech manual for the HP 141T
Message-ID: <5.0.2.1.0.20020811170245.009f1590@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

From TM11-6625-2781-14&P Change C-4 and C-5
Tools and test equipment required by the repairman.....(does she look like Aunt Jemima?)
Vohmmeter
Wattmeter
Generator
Oscilloscope
Multimeter

Maybe not so funny since these people have lots of bombs etc
73 Pete
NV4V

Date: Sun, 11 Aug 2002 18:04:09 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-1@lehigh.edu>
Subject: [132113] FS power supply
Message-ID: <Pine.LNX.4.33.0208111758070.643-100000@valhalla.v>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have an unused 23 Amp @ 13.8VDC power supply for sale. I got it but never used it. It comes in original box in plastic wrapper with instruction sheet. Very light weight Model SEC 1223 SAMLEX AMERICA. \$70. Add \$5 to ship (I will cover the difference)

73,

Jim n2go

Date: Sun, 11 Aug 2002 14:11:23 -0700
From: "Thomas" <ac7a@gci-net.com>
To: <n5fc@io.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [132114] Re: Plug for WB3EVL Key Covers
Message-ID: <004e01c2417b\$a6f21120\$1242b7d8@borg999>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

I purchased one of WB3EVL's covers for my Bencher nearly 10 years ago. His craftsmanship is excellent, the prices are a bargain, and the cover goes a long way in keeping dust and grime out of your paddle. Having your call engraved on the top makes it look very classy. Do a goggle search on WB3EVL and it will take you to his WebPage.

Just by odd chance a few years ago, I happened to be in eastern Pennsylvania on business. There was a hamfest in a small, close-by town (Phoenixville?) that weekend. I decided to drive over and spend some time there. While looking through the commercial displays in a barn-like building, I came across some very familiar paddle covers. Well the proprietor turned out to be none other than Larry, WB3EVL himself. We got to talking about the fact that he had him make a paddle cover for me a few years earlier, and also that I was in PA from Tucson. He then told me he liked to come down to Tucson during the winter and had a favorite Mexican cantina.

A small world indeed - especially when it comes to amateur radio.

Regards, Thomas - AC7A (Tucson)

----- Original Message -----

From: "Monty N5FC" <n5fc@io.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, August 11, 2002 9:03 AM

Subject: Plug for WB3EVL Key Covers

> Hey All!

>

> Larry Stamm, WB3EVL, has a small, internet based business doing key covers
> and engraving ham signs, and I want to send a few kudos his way.

>

> About a month ago, I asked him if he made a cover for the Vibroplex Code
> Warrior Jr (commercial version of the NORCAL paddle).

Date: Sun, 11 Aug 2002 14:18:11 -0700 (PDT)

From: Fred Bonavita <k5qlf@yahoo.com>

To: qrp-1@lehigh.edu

Subject: [132115] Re: Very Good Main Antenna

Message-ID: <20020811211811.20142.qmail@web21401.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

For another, earlier perspective on the qualities of the 88-foot doublet, see "The Suburban Multibander," by Charles Lofgren, W6JJZ, in the ARRL Antenna Compendium, Vol. 2 (1989), at page 103. Charlie, who is the godfather of Z-match tuners, offers an enlightened look at the history and design of this simple and dependable antenna for those who do not have room for an antenna farm. I have used it successfully since this article first appeared. The only modification I made was to skip the choke balun and bring the 450-ohm twinlead directly to the terminals on my W6JJZ-design Z-match. It plays beautifully.
~73, Fred, K5QLF, San Antonio..

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<http://www.hotjobs.com>

Date: Sun, 11 Aug 2002 17:22:56 -0400

From: Dave Fouchey <dafouchey@comcast.net>
To: jamesd1@flash.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [132116] Re: QRP - GPS redux
Message-ID: <4.1.20020811171941.009427b0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Exactly right James, it is an ADDED tool not a replacement for good basic knowledge of map reading and simple navigation using a compass. In 50 years of romping around the woods I have never gotten lost, but I will NEVER be foolish enough to say I WON'T ever do so.

That said a GPS is a handy tool to have, makes logging your trail in and following it back out so much easier.

73's
Dave
WA4EMR

At 02:54 PM 8/11/02 -0600, James R. Duffey wrote:

>When I go hiking I try to make sure that everyone in the party has a map
>with the route marked on it and a compass. I try to make sure that every one
>knows how to align the map with the compass and triangulate from visible
>objects to determine where you are, read topo lines, and so forth, but I am
>usually less successful at that. :^) This is math at work, and those who
>paid attention in trig class get it and those that don't, - well it can be a
>struggle. A good class with outdoor exercises is recommended. These are
>often given by local college adult education courses and local outdoor
>retailers like REI.

>

>As to basic navigational skills - I learned a new one about 10 years ago.
>Turn around often and look where you have been. That way you will know what
>it is supposed to look like on the way back. It helps, it really does.

>

>I don't have a GPS, but I will probably get one after the shock to the
>pocket book of sending another kid off to college wears off. It seems like a
>powerful tool to add to the map and compass, not supplant it. - Duffey

>--

>James R. Duffey KK6MC/5
>Cedar Crest, NM DM65

Date: Sun, 11 Aug 2002 18:29:55 -0400 (EDT)

From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [132117] Re: FS power supply
Message-ID: <Pine.LNX.4.33.0208111829310.667-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The power supply is sold.

73,

Jim n2go

Date: Sun, 11 Aug 2002 15:33:54 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [132118] Re: Very Good Main Antenna
Message-ID: <B97C3462.1B26C%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

One way I use to recall tuner settings is to use a filing card or piece of cardstock to record tuner settings. I cut the card stock so that it spans the variable controls. Then cut slots where the controls go so the card is supported behind the knobs. Mark the card stock with the settings for each band so that the knob pointer points to the settings. You may have to cut holes in the card for meters and so on. It is not automatic, but it is pretty close. - Dr. Megacycle KK6MC

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These slots fit behind the "Tune" and "Load" knobs

My art isn't the best, but you get the picture. Make a different card for each antenna.

Mark on the card stock other information like roller inductor setting. = DR.
Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 11 Aug 2002 18:18:09 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [132119] Re: Wobble198@aol.com: (no subject)
Message-ID: <20020811.181816.8958.1.kc8aon@juno.com>

Sorry about this post, clicked on the wrong address !

Rick McKee, KC8AON
Willow Wood, Ohio
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End of QRP-L Digest 2644

